



The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

L. 3401
CXLIII

APRIL 14, 1945

Annual Subscription (with
Diary) 25/- Single copies 9d.

M&B

pharmaceutical products

CAFFEINE ALKALOID ANHYDROUS

CAFFEINE & SODIUM SALICYLATE B.P.C.

CAFFEINE & SODIUM BENZOATE B.P.

CAFFEINE & SODIUM IODIDE

We are glad to advise that,
subject to approval by the Directorate
of Medical Supplies, Ministry of
Supply, we are now able to offer
limited quantities of the above.

MAY & BAKER LTD.

DAGENHAM

ENGLAND



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Chemicals since 1834

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✓ Sodium Salicylate B.P.

✓ Methyl Salicylate B.P.

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✓ Aspirgran

Monsanto
MONSANTO CHEMICALS LIMITED
RUABON • WREXHAM • DENBIGHSHIRE

Under present conditions, availability of some products may be somewhat restricted; but we are always glad to advise on the current position.

To anticipate time-lag in VITAMIN C deficiency

An entire dietary deficiency of vitamin C is uncommon, but partial deficiency producing a state of latent scurvy is frequently encountered. At this season, when supplies of fresh fruit and vegetables are not readily to hand, such a deficiency is more likely to arise. Where suspicion of latent hypovitaminosis C exists, and in the treatment of gastrointestinal disorders and fevers, 'Celin' tablets are justifiably prescribed.

To satisfy VITAMIN B₁ requirements

Vitamin B₁, like other water-soluble vitamins, is excreted and cannot be stored. It therefore needs replenishment.

In anorexia, gastro-intestinal atony, hypochlorhydria, diarrhoea and intestinal fistula, deficiency of vitamin B₁ is often a complicating factor.

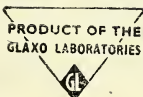
'Berin' provides a simple means of administering the vitamin, supplementing treatment of these conditions.

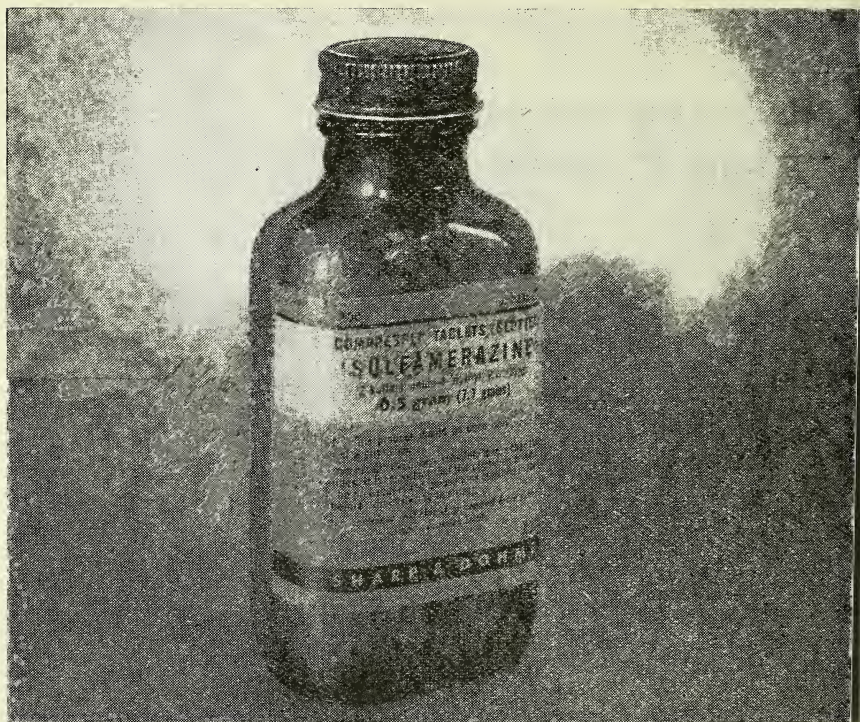
CELIN

Tablets 50 mg.
Ampoules 100 & 500 mg.

BERIN

Tablets 1 & 3 mg.
Ampoules 5 & 25 mg





cuts sulphonamide **DOSAGE IN HALF**

The Medical-Research Laboratories of Sharp & Dohme have developed a new sulphonamide compound which requires only approximately *one-half* the usual dosage of Sulphadiazine or Sulphathiazole. This remarkable product is called Sulfamerazine. Its chemical designation is 2-sulphamylamido-4-methylpyrimidine (methylsulphadiazine).

In comparison with Sulphadiazine or Sulphathiazole, Sulfamerazine is more rapidly and completely absorbed from the gastro-intestinal tract and more slowly eliminated by the kidneys. Thus smaller or less frequent doses of Sulfamerazine are necessary to produce and maintain therapeutic concentrations of the drug in the blood and tissues. Moreover, free and acetylated Sulfamerazine are slightly more soluble in neutral or acid urine than are the corresponding forms of Sulphadiazine. For these reasons the possibility of drug concretions in the urinary tract should be less with Sulfamerazine than when other sulphonamides are used.

The less frequently required doses of Sulfamerazine reduce sulphonamide therapy to simpler, more economical terms. In diseases in which four to six doses of

Sulphadiazine (or other sulphonamide) are given, the same therapeutic results may be obtained with a minimum of inconvenience to the patient at a proportionately lower cost by only two to three doses of Sulfamerazine.

Sulfamerazine tablets are administered by mouth in the treatment of infections caused by pneumococci, streptococci, meningococci and gonococci. Solutions of Sodium Sulfamerazine are given intravenously. Moreover, the smaller effective dose and longer retention of Sulfamerazine have suggested the drug's value as a prophylactic against certain infections such as rheumatic fever and gonorrhea. It is less toxic than Sulphathiazole and is no more toxic than Sulphadiazine.

Sulfamerazine is supplied in 0.5 Gm. tablets for oral administration, in bottles of 100, 500 and 1000.

Detailed information may be obtained, upon request, from Sharp & Dohme, Ltd. Huddersdon, England.

SULFAMERAZINE S & D

MEDICAL **EVANS** SUPPLIES

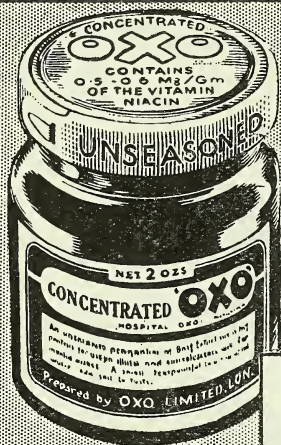
Super-Suspensible BISMUTH CARBONATE

A light Bismuth Carbonate which is not excessively bulky in the dry state but diffuses perfectly in a fluid mixture giving a prolonged and homogeneous suspension. Even after long standing it is readily re-diffused.

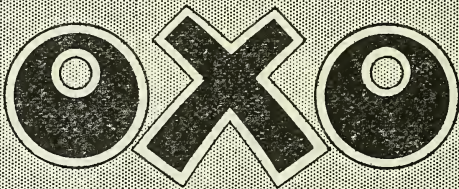
Evans Super-Suspensible Bismuth Carbonate is consistent in density and maintains a standard of purity which meets the demands of all pharmacopœias.

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A Superb Beeftea

Beeftea, made from Concentrated OXO, contains the physiological stimulants of beef which aid assimilation, promote muscular activity and act as restoratives in debility.

Concentrated OXO

*contains 0.5-0.6Mg/Gm of the Vitamin Niacin
(References : Drummond & Moran, Nature
1944, 153, 99, Frankau, BMJ, 1943, 11, 601).*

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BEAT...**

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steady demand*
for

Cephos
Pronounced *See-foss* REGD
**THE
PHYSICIANS'
REMEDY**

Powders or 16 Tablets 1/3

" 42 " 3/-

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Single

Dose 2d.

PATA

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There need be no delay in dispensing prescriptions for the fine products of

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which are, with negligible exceptions, in regular supply. The demand also is regular. The 'ALBUCID' series, 'SOLGANAL B OLEOSUM', the HORMONES, along with 'MEDINAL', 'VERAMON' and 'NEUTRALON,' are being constantly prescribed.

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NOW IN TWO SIZES

8¹/₂ for 12 tablets

1¹/₅ for 25 tablets
including tax.

Display these attractive new packs on your counter and reap the benefit from our consistent advertising and growing sales.

ASK YOUR
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IN our press advertisements we advise women to ask their chemist for a copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendells Products.

Why not write us today for a supply of our latest Chemist Display Aid?

Rendells
PRODUCTS **PATA**

FOR FEMININE HYGIENE

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*For Pharmaceutical Products
that meet but one standard—
“the Highest standard of Purity
and Quality that a modern
laboratory can reach”—consult*

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& CO. LTD.
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ELIXIR GABAIL

The ideal sedative in all nervous affections

| | Retail, including Purchase Tax | Wholesale per dozen | Purchase Tax |
|--------------------------|-----------------------------------|------------------------|--------------|
| Bottle of 187 c.c. . . . | 5/- | 39/- | 6/6 |
| „ 16 oz. . . . | 9/6 | 72/- | 12/- |

SYRUP PERTUSSIS (Gabail)

An effective medicament for the paroxysms of Whooping Cough

| | Retail, including Purchase Tax | Wholesale per dozen | Purchase Tax |
|-----------------------|-----------------------------------|------------------------|--------------|
| Bottle of 4 oz. . . . | 3/- | 24/- | 4/- |
| „ 16 oz. . . . | 9/6 | 72/- | 12/- |

Manufactured by The Gabail Laboratories Ltd. (Gabail Ltd.), London, W.C.1

Ample supplies available through your usual wholesaler or from

THE ANGLO-FRENCH DRUG CO., LTD.

11-12 Guilford Street, LONDON, W.C.1

**Keep Ample Stocks to Satisfy the Ever-Growing
Demand For**

FULFORD PRODUCTS

BILE BEANS

In 7d., 1/4 and 3/3 sizes and in 1d. Twists

ZAM-BUK OINTMENT

Two sizes, 1/5 and 3/5 per box

ZAM-BUK SUPPOSITORIES

Packed in boxes of ten, price 1/5

KUTNOW'S POWDER

Standard size, 3/2 per bottle

PEPS PASTILLES

Now available only in 1/5 boxes

ASPAREL TABLETS

1/5 per box and 5/6 (to sell in 1d. Twists)

VEN-YUSA CREAM

2/1 glass jars in attractive cartons

*Profitable Quantity Terms
Available — Additional
Discounts for Display.
For Terms and Show
Material write :*

C.E. Fulford Ltd

CARLTON HILL, LEEDS 2

CG

products listed below, though not necessarily available to new buyers, will serve as a reminder to those friends in the trade who for many years have shared in their established sales.

ADAPTOPLAST

BENZ CLENZ

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ZUDOR JACKETS

Obtainable only direct from

CUXSON, GERRARD & CO. LTD. OLDBURY, NR. BIRMINGHAM

Fair Play & Fair Profit!

PATA

Will the end of war-time conditions of short supply see a recurrence of price-cutting to undermine the standards of people and traders? We join in the hope that such conditions will not materialise. What is perhaps more important to the chemist is that we are ready to tackle them if they do.

YOU CAN RELY ON 'ASPRO'

'ASPRO' has not allowed its price maintenance organisation to rust or lose its efficiency. Throughout the war the same scrupulous control that made 'ASPRO' "red-hot" for the price-cutter and the cleanest line for the honest retailer, has been operating in the national interests. Now it is ready to go into action instantly at the first sign of a recurrence of price-cutting.

We are proud of the appreciation expressed by retailers and wholesalers alike of the service rendered them by this special branch within our organisation. Just as the public rely on 'ASPRO' for purity, safety and efficacy, so the chemist can rely on ASPRO Limited for fair play and fair profit which is protected with vigour and efficiency.

'ASPRO'

Made by ASPRO LIMITED, Slough, Bucks.

Telephone: Slough 22381

ASPRO

THE DAILY DOSES MOUNT UP!



**THE INCREASING
DEMAND MEANS
MORE PROFIT
FOR YOU!!**

Harley's Three Salts is health off the shelf, but you haven't got it on the shelf you are missing large profits, because more and more people are asking for it daily.



Packed in attractive tin
Retail at 1/10½, including
purchase tax (8-oz. tins)
Write for particulars a
terms. Thomas Harley
Ltd., 55 South Methven
Street, Perth, Scotland

PATA

HARLEYS

"The Spa in a Spoon"
Three SALTS

BIG sales line



Not only is Embex an excellent formula for headaches, nerve pains, etc., but it gives complete satisfaction when taken to check colds and flu.

Send for particulars straight away and ready to share in winter sales—SEND NOW

**COUNTER DISPLAY-
and CASH IN TODAY**

C. J. TAYLOR'S EMBEX LTD. CARLISLE

NEW FREEZONE FOOT COMPOUND

Retailing to the Public at 1'9 (inc. Tax)



INTRODUCTORY DISPLAY BONUS

Trade Price : 13/6 per doz.

Special 5% discount on initial orders for 'Freezone' Foot Compound in return for 14 days counter display of this attractive little Sales Aid sent with each order. Size 5" x 3" with cut-out windows bringing product on view. In addition to the above special discount, our normal quantity discounts of 7½% on £5 and 10% on £10 orders apply. Other I.C.C. products may be included.

PROFIT ON BEST TERMS

Your return.....21/-

Less tax 2/3

18/9

Your cost..... 11/7

YOUR PROFIT... 7/2

= 38·2% per doz.

Freezone Foot Compound is a companion line to that established best seller Freezone Corn Remover

Freezone Foot Compound, an anti-septic, anti-inflammatory and soothing powder, satisfies a vital need — a need that is always present but greatly magnified by war-time conditions. It has the advantage of the name 'Freezone' which every year finds increasing popularity with the public; in addition, the formula has been tested by our laboratory and is of high therapeutic value.

The demand for such a foot compound is a big one and an ever-growing one. Freezone Foot Compound will sell quickly and will sell *well*. Its efficiency will make repeat purchases certain and ensure that *your* profits will be constant.

COUPON To International Chemical Co. Ltd.
Clifton House, Euston Road,
London, N.W.1.

Please send.....doz. Freezone Foot Compound on Display Terms.

NAME.....

ADDRESS.....

Enclose in 1d.-stamped envelope to above address

10% DISCOUNT OFFERED ON A £2 PARCEL OF PINEOLEUM Brand INHALANT

The Inhalant to curb a cold and ease its distress

The above sent Carriage Paid Home—short term offer
direct from the agents against *pro forma* invoice.

PINEOLEUM BRAND NEBULIZER OUTFIT (Plain and with Ephedrine)

Outfit, complete with inhalant in carton 45/- per doz. ... 5/- ... 5/7½

PINEOLEUM BRAND INHALANT (Plain and with Ephedrine)

100 c.c. bottle in carton ... 45/- per doz. ... 5/- ... 5/7½

15 c.c. bottle with dropper ... 13/6 " " " 1/6 " 1/8½

(Packed in ½ doz. Display Boxes)

PINEOLEUM BRAND EPHEDRINE JELLY

Collapsible tubes with applicator ... 11/3 " " " 1/3 " 1/5

(Packed in ½ doz. Display Boxes)



Apply direct to the sole distributors in Great Britain and Northern Ireland:

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MILLAMALT *The* VITAMIN MALT FOOD

With Vitamins (A-2,000 I.U.; D-140 I.U.)
per fl. oz.

Sole Manufacturers.
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MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories

LOWER BROUGHTON, MANCHESTER.

thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

The House for TABLETS & PILLS

We manufacture a complete range and supply packed or in bulk... Also we make to private formulæ.

PROPRIETARY REMEDIES—PREPARED & PACKED

The **COOPER** *Laboratory Ltd*

BULK TABLETS

including

N.F. and N.W.F. lines
supplied in convenient quantities
from 100 upwards

THE SPECIALIST HOUSE
WATFORD



Established 1860

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AND
PILLS
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Three profitable lines...

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BRAND
ACTS LIKE
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FOR COUGHS AND COLDS
PATA FENOLIN FLUID PATA
and
ELDON VAPORISERS
FOR WHOOPING COUGH

HALL FORSTER & CO. LTD
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THE LADIES LOVE THIS !



Every woman who enters your shop is a likely customer for Petal Dust—the sweet-scented **MOTH-PREVENTER**. Keeps moths out of wardrobes, drawers and cupboards; safeguards linen, furs, woollens and garments from damage. Impregnates with a delightful flowery perfume which is purifying and antiseptic. In handy sachets. Trade terms on application.

IT'S A
**MARSHALL'S
LINE!**

PETAL DUST
Perfumed Moth Preventer

MARSHALL'S • TOWER BRIDGE • S.E.1

Super Quality
**ABSORBENT
COTTON WOOLS**
and
COTTON WADDINGS

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A FIRST-CLASS SELLING LINE..

ORIGINAL
PACK
**NATURE'S
RESTORATIVE**
NEW PACK
No Bottle Charge
No Returned Empties.

NON-ALCOHOLIC
Suitable for children
and adults.

5/- & **3/-**
large bottle small bottle
WAR-TIME
PACK

VIRONITA

 VYRO-NIGHT-A
M. CALTHORPE & CO., LTD., Mig. Chemists, OSSETT


EASY ON THE EYES

With long summer days ahead there is bound to be a big demand for Lumicraft Sun Glasses. These super quality glasses have reinforced sides, mitted hinges and are fitted with special colour-absorbative lenses.

Round and shaped styles are available in Crystal, Brown and Flesh frames. Minimum orders of one dozen each shape. Early ordering is advisable. For the optical department there are optical frames and sundries

Send Id. for Trade Price List.

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45 BELSIZE LANE, HAMPSTEAD, N.W.3

Phone: Primrose 1652

DETTOL

 BRAND

OINTMENT

 HEALING AND ANTISEPTIC

ELMBALM

 Brand

SPECIALITIES

- In steady demand
- Stocks available
- Dont miss Sales

 For Special Terms write: Elmbalm Pharmaceutical
Specialities Co., Knott-End-on-Sea, Lancs.

Trade Mark

SAE-SAL

 BRAND
 NERVE TABLETS
 1/8 & 5/- Inc Tax

DENGERM LTD

 90, BOROUGH HIGH ST LONDON, S.E.1.



USELESS
to
you

VITAL
to us

If you have any empty Ribena bottles, *even if only one*, please return to your chemist immediately. (1d. per bottle is allowed).

Further supplies of Ribena—for your children and all others in need of this rich source of vitamin C—can only be kept up if we get back these empty bottles. The position is very serious. Please do all you can to help.

Ribena
BLACKCURRANT SYRUP

Not less than 20 mg. ascorbic acid
per fl. oz.

Controlled price 2/8d. per bottle

H. W. Carter & Co. Ltd., Bristol, 2

a
**very grave
situation**

The empty bottle situation increases in gravity, so we are still appealing for 'empties' through the Press. (See advertisement reproduced herein.)

Can you help still further? We do so need your co-operation.

The 1d. per bottle which chemists are authorised to pay out will, of course, be borne by us when the bottles are returned to us through the usual channel.

■
H. W. Carter & Co., Ltd.,
The Old Refinery, Bristol, 2.

NATIONALLY ADVERTISED

KI-UMA

OINTMENT

FOR THE RELIEF OF:—
RHEUMATIC CONDITIONS,
STIFF & SWOLLEN JOINTS,
STIFF NECK, BRUISES, Etc.

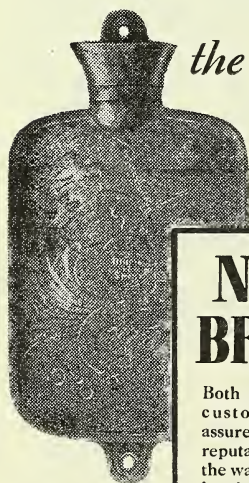
| Pack | Retail Incl. P.T. | Trade per doz. | P.T. per doz. |
|-------------|----------------------|-------------------|------------------|
| Tins | 3/4½ | 27/- | 4/6 |
| 1lb. Carton | 22/6 | 180/- | 30/- |

FROM YOUR C.F. WHOLESALER, OR IN CASE
OF DIFFICULTY, FROM THE MANUFACTURERS



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Telephone: PENN 3137



*the name that
customers
remember*

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Both chemists and their
customers may rest
assured that the happy
reputation earned before
the war will be maintained
in the post-war period.

THE NORTH BRITISH
RUBBER COMPANY LIMITED
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Hot water Bottles,
Air Cushions, Air
& Water Beds, Water-
proof Sheetings, etc.

H W 2



BLACKWELL, HAYES & CO., LTD
BIRMINGHAM, 4

STERLING BRAND

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Chemicals

SODIUM CITRATE.

Formula — $C_6H_5O_7Na_3 \cdot 2H_2O$. Mol. Wt. 294

Properties. A white crystalline powder or colourless crystalline granules, readily soluble in water and having a saline taste.

Standard. The standard grade manufactured for food or medicinal purposes should comply with the requirements of the British Pharmacopœia in all respects.

Uses. In addition to its use in medicine, Sodium Citrate finds an increasing use in infant food, cheese and other milk products owing to its valuable property of producing a smooth soft curd free from clots. It is also extensively used in blood transfusion.

Packages. 28 lb. tins.

Manufacturers. **THOMAS TYRER & CO. LTD.**
Stratford, London, E. 15



REGISTERED TRADE MARK

THOMAS TYRER & CO. LTD.

STRATFORD · LONDON · E. 15

SEAMED & SEAMLESS

SURGO ELASTIC HOSIERY

FOR SPECIAL
GARMENTS TO
MEASURE WE GIVE
THE BEST POSSIBLE
SERVICE

TRUSSES
SURGICAL
BELTS AND
SUNDRIES

50 YEARS' SERVICE OF EVERYTHING SURGICAL

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Established 1833*A Still Room at our Wharf Road Works*

Essential Oils — With many of the

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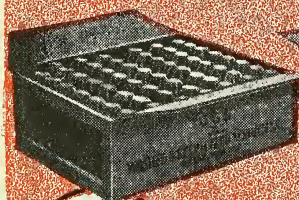
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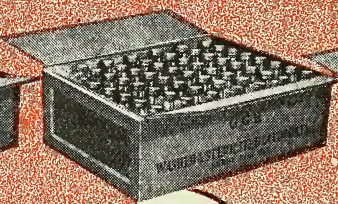


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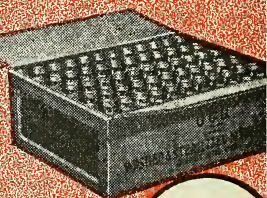
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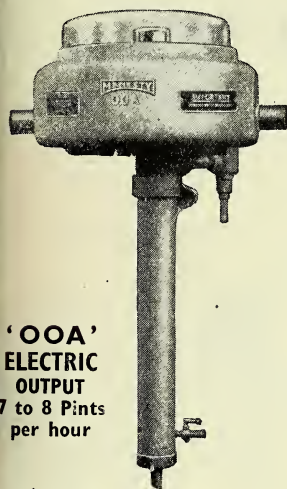
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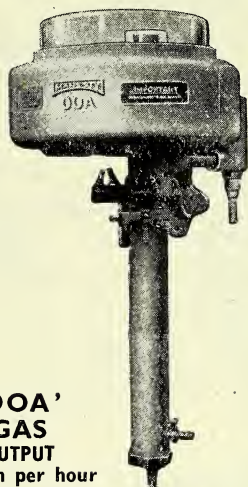
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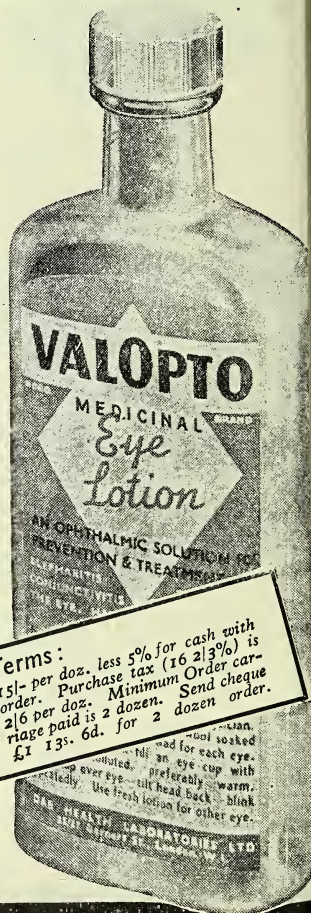
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NEWS OF THE WEEK

Booklet for Services.—The first consignment of a Ministry of Labour handbook, "Release and Resettlement," is on its way to the Forces in the most distant theatres of war. Other consignments will be dispatched daily until every man and woman in the Services has received one.

Mails to France and Holland.—The postal service to most areas of France (*C. & D.*, March 24, p. 287) has been extended to the department of Doubs.—The postal service to Holland (*C. & D.*, April 7, p. 339) has been extended to the towns of Middleburg, Flushing, Goes, Yerseke, Hansweert and the surrounding areas.

Statutory Committee in Edinburgh.—The Statutory Committee of the Pharmaceutical Society will meet at 36 York Place, Edinburgh, at 2 p.m. on April 18 to consider information and evidence received by the Committee from which it appears that a member of the Society was convicted of fraud and another member was convicted of embezzlement and offences under the Dangerous Drugs Regulations.

Telegraph Service to Finland.—The Post Office and Great Northern Telegraph Co. announce that since April 9 the public telegraph service to Finland has been restored. The rate for ordinary telegrams is 4½d. per word. European letter telegrams (ELT) are accepted at 4s. 8½d. for twenty-five words and 2½d. for each additional word. Business telegrams must be restricted to ascertaining facts and exchanging information.

Exports to Iceland and the Faroes.—Recommendations from H.M. Consul-General, Reykjavik, and H.M. Consul, Thorshavn, are no longer required to accompany applications for licences to export certain goods to Iceland and the Faroe Islands, and exporters are requested not to ask customers in those countries to apply for them. Recommendations from the Icelandic, Danish and Faroese authorities have never been required.

Export Control Relaxations.—Under the Export of Goods (Control) (No. 3) Order, 1945 (S. R. & O., 1945, No. 357), vacuum

flasks, vacuum jars, and clinical thermometers now require export licences only when exported to destinations to which the export of all goods is controlled. The Order also removes the following countries from the list of destinations to which the export of all goods is prohibited: Union of Socialist Soviet Republics, Turkey (including the Hatay), Rio de Oro.

Record Membership.—Blackburn Chamber of Trade has set itself to increase its direct membership, which already stands at the record figure of 535, to 1,000.

Soap in Holiday Resorts.—The Ministry of Food is taking steps to divert additional supplies of soap to holiday resorts for the coming season.

Cost of Living.—At March 1 the official cost-of-living index figure was 102 points above the level for July 1914, but showed no change compared with February 1.

Gaelic Social in Dublin.—The Chemists' Camogie Club of Eire is to hold a Gaelic social at the Four Courts Hotel, Dublin, from 8 p.m. to 12 midnight on April 26. Tickets (price 3s. 6d. each) are limited and applications should be made to Miss Anna Dorrian, 17 Upper Ormond Quay, Dublin, or Miss Frances Quinn, 363 North Circular Road, Dublin.

Switch to Peace-time Production.—The number of firms which have been granted facilities for carrying out experimental and development work, including the manufacture of prototypes, in preparation for the change over to peace-time production, is given by the Board of Trade as 1,150. Only thirteen applications for such facilities have been rejected.

Nottingham Gymkhana for Red Cross.—Boots, Ltd., are arranging a second annual one-day show on the company's athletic ground, West Bridgford, Nottingham, in aid of the Red Cross Agricultural Fund. The show will take place on September 1, and will include a staff horticultural show, open horse show and gymkhana, etc. The prize money will again be presented by the company. In 1944 a sum of £3,059 was realised.

Belfast Post-graduate Course.—A post-graduate course of six lectures for pharmacists was concluded recently in Belfast. The lecturer was Mr. Charles Young, Ph.C. (Great Britain), teacher of pharmacutics at the Belfast Municipal College of Technology. At the final lecture a vote of thanks to Mr. Young was proposed by Mr. P. R. W.

Shinner and seconded by Mr. A. Steede. The president of the Pharmaceutical Society of Northern Ireland (Mr. Charles Abernethy) also expressed appreciation.

Assistants Support Shop Licensing.—The Birmingham Branch of the National Amalgamated Union of Shop Assistants Warehousemen and Clerks, at a meeting recently, unanimously supported a resolution of the Executive calling for the licensing of shops as an instrument for developing a planned distribution. The resolution suggested that the licence should carry with it governing standards of sanitation and hygiene, fair wages, and regulation of the number of young persons employed.

Medical Conference in Rome.—A conference of Allied physicians was held in Rome recently. More than 200 Army, Navy and Air Force physicians of several Allied nations attended. The experience of several years of war medicine in the prevention and treatment of disease in the Allied armies was pooled for mutual guidance. Subjects discussed included the use of D.D.T.; prevention or cure of the bacillary dysenteries; a new method of treatment of penetrating wounds of the chest and lungs; surgical treatment of heart wounds; penicillin; elimination of trench foot; salvage of psychiatric cases.

Watford Move to Attract Distributive Workers.—As a first step towards attracting recruits to the retail distributive trades after the war, a reconstruction committee set up by Watford Chamber of Commerce after discussions with trade union officials has decided to observe winter closing hours during the summer months. Efforts are to be made to educate the public to look upon Friday, instead of Saturday, as the principal shopping day, thus enabling shops to close perhaps as early as midday on Saturday, and staffs to enjoy the same long week-end as other workers. Employers would be encouraged to co-operate by paying workers earlier in the week; a limited amount of staggering of pay-days is already in operation locally.

Advances in Chemistry.—In an illustrated lecture to Newcastle District and Northumberland Branch of the Pharmaceutical Society on February 20, by Mr. H. E. Dale (medical information department, Boots, Ltd., Nottingham), the subject of "Recent Advances in Chemistry with Reference to Medicine" was dealt with. References were made to salvarsan or arsphenamine, the sulphonamides, synthetic

estrogens, and penicillin. Great advances, said the lecturer, had been made in synthetic hormone therapy, while acridine antiseptics, introduced during the war of 1914-18, were again receiving attention. A new compound of sulphathiazole and proflavine had been found pre-eminent in its low toxicity and bacteriostatic action.

Advice on Buying Shops.—A warning to ex-Service men and women to exercise the greatest care before committing themselves to the purchase of retail businesses has been issued by the North Midland Region Price Regulation Committee. The warning emphasises that a licence is necessary in order to open a new business or transfer an existing one. The Committee will attempt to safeguard the interests of ex-Service men and women by refusing a licence where there is little prospect of the business being a success, or where an excessive price is asked of the buyer. Prospective buyers are advised to secure the insertion in any purchase agreement of the following clause: "This agreement is subject to a licence being granted by the local price regulation committee. In the event of such licence being refused, this agreement shall be cancelled and the purchaser shall be entitled to the return in full of any deposit paid by him."

Imperial Institute Annual Report.—The report for 1944 of the Imperial Institute, South Kensington, records that work on insecticide materials, pyrethrum and derris has been continued. Agar from Australia was examined and found to be of satisfactory quality compared with the best Japanese. Silk cocoons from Malta were found of promising quality and suitable for marketing, and black pepper from Sierra Leone was pronounced by the trade as good and suitable for the United Kingdom market. Samples of oils of lavender from the Belgian Congo were of the spike type, and suitable for use in soap manufacture. Cultivation in Britain of dandelions, grown from seeds sent from Soviet Russia after the fall of Malaya, has yielded rubber "nearly as good as plantation rubber," according to the report. The yield per acre is stated to be much smaller than that of plantation rubber and the cost of production much higher.

Women Pharmacists' "Members' Night."—At "Members' Night" of the National Association of Women Pharmacists, held in London on March 22, three addresses were given. Miss M. Coates, Ph.C., speaking on "Dairy Research," described how milk

was investigated in its physical, chemical, bacteriological and physiological aspects. The action of hormones on milk yield had received much attention; injections of prolactin into a cow had increased her weekly supply by five gallons, and implantation of a synthetic hormone had produced milk from a virgin cow. The practice of artificial insemination was of value both from an economic point of view and for the purpose of producing milk of high quality. Study of the diet of animals also came within the scope of dairy research. Work was being done on the standardisation of vitamins D₂ and D₃ in oils for veterinary use. Miss E. Fitch, Ph.C., who spoke next, gave an account of the entry of women pharmacists into the civil service. The third speaker (Miss G. Hindes, M.Sc.), described the formation, growth and work of the British Federation of Business and Professional Women, to which the National Association of Women Pharmacists is affiliated.

Lecture on Blood Tests.—Hull Chemists' Association and Branch of the Pharmaceutical Society heard Mr. J. J. Small, B.Pharm., lecture on "Blood Tests in Relation to Anæmia" at Hull on March 28. Miss E. Palmer (president of the branch) introduced the speaker. Mr. Small classified the anæmias into three main groups; Deficiency, caused by lack of iron, an anti-anæmic principle; post-hæmorrhagic, following severe hæmorrhage; and hæmolytic, caused by breakdown of the red cells in the blood stream. He outlined the effect of iron-deficiency and pernicious anæmias on the development of the red cells in the bone marrow, showing how the characteristic blood picture in each case was related to the abnormal development of the red cells. He also demonstrated the preparation of blood films for microscopic examination, measurement of the size of the red cells by the halometer, estimation of the number of red and white cells per cu. mm. using the hæmacytometer, and determination of the hæmoglobin content of blood by Haldane's hæmoglobinometer. A chart showed how the blood of anæmic persons differed from normal blood. Mr. H. Rays proposed a vote of thanks, which was seconded by Dr. Drummond.

Pass the Ammunition.—Paper used in the manufacture of ammunition absorbs more than five times that used for any other item. A shortage of paper could in certain circumstances mean a shortage of ammunition.

LEGAL REPORTS

Non-standard Baking Powder.—At Colne, Lancashire, on March 26, Richard Spedding, grocer and confectioner, 95 Skipton Road, was fined 10s., with 34s. costs, for selling 4 oz. of baking powder not of standard composition: A sample taken for the Corporation was stated to contain 6.94 per cent. carbon dioxide, the minimum requirements being 8 per cent. The powder was not injurious to health, but more of it was required, and it deteriorated in keeping. Defendant said he purchased the baking powder in bulk in June 1944.

Possession Charge Dismissed.—A charge brought at Clerkenwell against Stanley Wall, 5 Thackeray Road, London, E.C., of having in his possession 700 tooth-brushes, suspected to have been stolen or unlawfully obtained, was dismissed on April 3. Wall said he was employed as a book-keeper; he pleaded not guilty. A detective-sergeant stated that he saw Wall carrying an attaché case and stopped him. Questioned about the tooth-brushes, Wall said: "I got them about three months ago in a dance hall at East Ham. I gave a fellow £5 for them. I think I have got a receipt at home." Later, he said he had paid £25. The officer said the manager of the Holborn branch of Boots, Ltd., had expressed the view that the tooth-brushes were fresh from a factory but unfinished; they would probably sell at 1s. 6d. or 2s. each. In the witness-box, Wall stated that he met a casual acquaintance who told him he was a travelling salesman and had some tooth-brush "rejects." He agreed to buy the brushes at £5 per gross, and understood there were five gross and paid £25. A receipt was produced. The magistrate said the circumstances were suspicious but the defendant was entitled to the benefit of the doubt.

Night-watchman's Sales of Cosmetics.—At Marylebone, London, on March 29, Alexander Bertie Dorliac, Devonshire Terrace, Paddington, described as a night-watchman, was charged on a warrant with being illegally concerned in a purchase of cosmetics, failing to furnish information to the Customs and Excise under purchase-tax regulations; furnishing invoices which purported to show that purchase tax had been paid at 100 per cent. when it had not; and failing within fourteen days of February 19, 1943, to apply for registration as a seller of chargeable goods. He was fined a total of £400, with £10 10s. costs. Prosecuting

solicitor said the accused started dealing in cosmetics in the name of Dorliac in September 1942. In 1943 he started trading in the name of Cumino and sold about £1,300 to £1,400 worth of goods. He should have registered when his turnover was likely to be £500 for the year, and in February 1944 he exceeded that figure. He continued carrying on the business until October 1943, and during that time was in the habit when he sold goods, of adding to the invoices an indication that the purchase-tax had been charged by him. He said he was buying from a source which he refused to disclose because it was against his principles to give the person away to the authorities. The amount of purchase tax he should have collected was £1,768. The Crown had not seen any of the money purporting to have been paid as tax.

Pharmacy Act Fines.—Fines totalling £17 were imposed on Arthur Leslie Spink by the Hull stipendiary magistrate on April 1 on summonses brought at the instance of the Pharmaceutical Society of unlawfully using, in connexion with his business, the title "chemists." Spink was stated to be the proprietor of four shops in Hull. A second summons against Spink was that he unlawfully used a certificate issued under the Pharmacy Act to Noel Errington Benson Hewitson. The offences were alleged to have occurred on February 2. Hewitson was summoned for unlawfully allowing the certificate to be used by another person. Dismissing the case against Hewitson, the stipendiary remarked that there was no evidence against him except that he had left the certificate behind. Evidence was given that in the Chanterlands Avenue shop neither Mr. Spink nor any qualified person was present. There was displayed on the counter a certificate of qualification belonging to Mr. Hewitson, but Hewitson had not been in those premises since the early part of the year. About that time Mr. Spink bought a business in Scarborough and sent Hewitson there to manage it; he had remained there ever since. Above the Hull branch in question was displayed the sign "Spink's Dispensing Chemists." The actual proprietor of the business was one individual: Spink. In the window, preparations bore the words "Prepared by Spink's Dispensing Chemists." In the view of the Society, these were an indication and an invitation to members of the public that they would get the attention of certainly one of several chemists.

TOPICAL REFLECTIONS

Apprenticeship

Professor J. P. Todd's stimulating address on apprenticeship (p. 348) includes some important suggestions for the attention of educational experts—and, indeed, of every practising pharmacist. The implications of this subject are far-reaching. In one passage Professor Todd warns us of the possibility of manufacturing and research facilities passing under the control of scientists who are outside pharmacy, a danger to be guarded against. Discussing the training of students, he expresses a doubt whether apprenticeship as it now exists is worth while. Your readers will do well to compare Professor Todd's views with those of Mr. H. Brindle in last year's address from the chair of the British Pharmaceutical Conference (*C. & D.*, July 15, 1944, pp. 70–72). There is a considerable measure of agreement between these two pronouncements. Without attempting either to survey the whole field or to discuss details in a paragraph, I may point out that Professor Todd goes further than Mr. Brindle in one respect by recommending the abolition of the Intermediate examination of the Pharmaceutical Society and the substitution of a first examination for a university degree. This idea may possibly flutter the doves of Bloomsbury Square; but the basic consideration is that regulations must be adapted to needs. If, therefore, the Intermediate examination is found to be losing its value in the educational scheme, that examination must go. While mentioning examinations, I venture to suggest that the use of books of reference in those of the Society might be extended, and the demand for the mere memorising of facts reduced. Students vary so much in their capacity to commit data to memory that the less gifted in this respect are sometimes placed at an undue disadvantage. Nothing has occurred to modify the opinion expressed in this section as to the value of shop training: the point at issue is how to find the most appropriate period for it. A sound training involves a just balance between the theoretical and the practical; and that balance needs adjustment from time to time in the light of the needs and responsibilities of pharmacy as a whole.

Pharmaceutical Committees

The brief account of the work of statutory Pharmaceutical Committees contributed by Mr. G. A. Tocher (p. 355) draws attention to the part these bodies have played in

rendering the working of the National Health Insurance Acts efficient. Mr. Tocher's experience of this work is, I believe, unique: from its inception his services have been at the disposal of London panel chemists, and his office telephone must have been one of the hardest worked in the area. The multiplicity of detail in the monthly agenda of any Pharmaceutical Committee in a large centre of population may be seen by consulting any of your half-yearly volumes for the period 1913–39, and especially for the early years, when numerous points of administration had to be settled. Pharmaceutical Committees being the recognised guardians of the interests of contracting chemists, complaints by, and occasionally against, such chemists were regularly under consideration, often calling for the exercise of diplomacy. Their members have reason to know that if pharmacists have been granted the legal right to dispense for the nationally insured population, they have paid for it in the form of insufficient remuneration.

Poisoning in Pasture

Your abstract of a case in which a horse died after eating water dropwort (p. 361) includes the practical suggestion that this weed should be systematically exterminated from pastures. It has been described in "Martindale" as "the most dangerous and virulently poisonous of all British native plants": one can only conclude that after centuries of experience the agricultural community is apt to trust to luck in this matter. The toxicity of *Enanthe crocata* has been pointed out often enough. In a monograph by Nicolas Hasselgren written in 1749 and afterwards translated into English, many curious statements about the selective effects of various herbs on animals are made. He describes pepper as "mortal" to pigs, and parsley as "deadly" to small birds. Of long-leaved water hemlock (hemlock dropwort, water dropwort) he writes that though it is fatal to cows, it is innocuous to goats. It appears that on one occasion Linnæus was asked to investigate a case of cattle dying by poisoning. After due questioning and search he discovered that this plant was the cause: he made the interesting comment that the risk of poisoning is much greater in spring, when the plants are covered with water, than later, when animals are likely to be repelled by the distinctive smell.

Xrayser

COMPANY NEWS

FRANK SAMMEROFF, LTD. (P.C.).—Capital £1,000. Manufacturers of surgical plasters and dressings, chemicals, drugs, etc. Frank Sammeroff and Rose Sammeroff, directors. R.O.: 27 Jamaica Street, Glasgow.

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MACLEANS INTERNATIONAL PRODUCTS, LTD. (P.C.).—Capital £100. Objects similar to County Perfumery International Products, Ltd. (below). Sir Joseph S. Holmes, M.P., Gordon A. Dunbar, Bernard L. Hobrow, and Henry G. L. Lazell, directors. R.O.: 68 Pall Mall, London, S.W.1.

PHENSIC INTERNATIONAL PRODUCTS, LTD. (P.C.).—Capital £100. Objects similar to County Perfumery International Products, Ltd. (below). Sir Joseph S. Holmes, M.P., Gordon A. Dunbar, Bernard L. Hobrow, and Douglas H. Howarth, directors. R.O.: 68 Pall Mall, London, S.W.1.

COUNTY PERFUMERY INTERNATIONAL PRODUCTS, LTD. (P.C.).—Capital £100. To carry on in the United Kingdom for export the business of manufacturers of and dealers in toilet preparations, pharmaceutical products, proprietary medicines, druggists' sundries, food preparations, etc. Sir Joseph S. Holmes, M.P., Gordon A. Dunbar, Bernard L. Hobrow, and Neils F. Fabricius, directors. R.O.: 68 Pall Mall, London, S.W.1.

BEECHAM RESEARCH LABORATORIES, LTD. (P.C.).—Capital £100. To carry out research work in connexion with medicinal, pharmaceutical, agricultural, horticultural, toilet, food and chemical products and processes, materials and processes for containers or packings, etc. Sir Joseph S. Holmes, M.P., Walter McGeorge, B.Sc., A.R.I.C., A.R.T.C., Robert H. Marriott, Francis H. Milner, B.Sc., Ph.D., F.R.I.C., and Ernst A. J. Koch, directors. R.O.: 68 Pall Mall, London, S.W.1.

L. J. HARRISON & Co. (HOUNSLOW), LTD. (P.C.).—Capital £250. To acquire the

business of manufacturers of household cleansing products carried on as the British Anti-Pest Co. at Grafton Works, High Street, Hounslow. Leslie L. J. Harris and Lilian M. G. Barnes, directors. R.O. Grafton Works, 427 Great West Road Hounslow.

WOOD CHEMICALS, LTD. (P.C.).—Capital £5,000. To acquire departments of the businesses of Ernst B. Westman, Ltd. and F. W. Berk & Co., Ltd., which deal in liquid rosin and wood distillation products. A. W. Berk, C. R. F. Berk, L. A. Plummer Karl T. S. Stromwall and Ernest S. W. Westman, directors. Solicitors: Cosmo Cran & Co., London, E.C.3.

A. J. FAIRLEE, LTD., 71 Lavender Hill, London, S.W.11. The title of the company is as given, and not as included in last week's issue of the C. & D.

DELETED FROM REGISTER.—"The London Gazette," March 13, notifies that Teify Veterinary Products, Ltd., and Universal Medical Stores, Ltd., have been struck off the Register of Companies.

PARLIAMENTARY NEWS

Soap for Liberated Countries.—Answering a question on March 29, the Foreign Secretary (Mr. Anthony Eden) said soap was included among the commodities which U.N.R.R.A. planned to provide for the liberated territories which it served. It was expected also that emphasis would be laid on the provision of raw materials to increase the manufacture of soap in those countries for their own use.

Management Organisations.—Sir Herbert Williams asked the President of the Board of Trade, recently for what reasons his department had taken steps to bring into being an Institute of Management; what connexion there was between that institute and the Institute of Distribution; and whether either of these institutions would receive financial help from the Government. Mr. Dalton replied that no steps had been taken, but he proposed shortly to discuss with various existing management organisations the possibility of closer co-operation between them; there was no connexion between any of these bodies and the Institute of Distribution, and there was no intention of making any grant from public funds to any of them.

TRADE NOTES

Proteolysed Liver.—Evans Sons Lescher & Webb, Ltd., Speke, Liverpool, 19, remind pharmacists that they were the originators of proteolysed liver, which they introduced under the trade name Hepamino.

Flyspray.—Under the slogan "The Flyspray that Kills," Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts, recommend dealers to stock up now with Cooper's Flyspray.

Labelled to Sell at Sight.—Blackwell, Hayes & Co., Ltd., Birmingham, 4, direct attention to their speciality Dr. Goodchild's Contenta water for babies, the whole "selling story" of which is immediately clear from the label.

Agencies in Palestine.—After five years of war work, Erwin Arnheim, 39 Massada Street, Haifa, Palestine, has resumed his business as manufacturers' representative, on an exclusive-agency basis, in Palestine and neighbouring countries.

Adjustable Developing Tank.—Gnome Photographic Products, Ltd., 21a Working Street, Cardiff, offer a photographic developing tank suitable for all films from 5 mm. to $2\frac{1}{2} \times 4\frac{1}{2}$ in. Terms and details are available from the makers.

Reclaimed Containers.—Dimensions are given on another page of the principal sizes in a series of 7,000 pre-war unprinted wood- and Fiberite cartons and liners available from the Container Reclamation Co., Ltd., 15 Portland Place, London, W.1.

Price Reductions.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce reduced prices and new strengths of dieneoestrol-Glaxo. From April 9 the product will be available in 1-mgm. and 5-mgm. strengths in bottles of 25, 100 and 1,000.

Packing and Distribution Information.—Elsewhere in this issue Wilcox, Jozeau & Co., Ltd., 74 White Lion Street, London, N.1, give important details about a new price list, a new packing and newly available supplies of items from their range.

A Range of Products.—"Profitable quantity terms" are mentioned in connexion with a range of popular specialities which includes Bile Beans, Zam Buk and Peps and which is listed on another page by C. E. Fulford, Ltd., Carlton Hill, Leeds 2. Show material is available.

1945 Price List.—Chemists are invited to send one penny stamp for a copy of the 1945 price list issued by Bayer Products,

Ltd., Africa House, Kingsway, London, W.C.2. The list contains details of three new products, as well as other useful information.—A new issue of the drug list of Evans Sons Lescher & Webb, Ltd., Liverpool, dated April 1, 1945, is now available.

Business Changes

MR. E. GLENN ROBINSON has been appointed sales manager of J. C. Eno (Canada), Ltd.

THE business of the late Mr. Lewis H. Harper, M.P.S., 124 High Street, Innerleven, Methil, is to be sold as a going concern.

BARIMAR, LTD., have removed to Barimar House, 22-24 Peterborough Road, Fulham, London, S.W.6 (Telephone: Renown 2147).

SCUNTHORPE CO-OPERATIVE SOCIETY, LTD., has purchased the century-old pharmacy of F. T. Chapman, 15 King Street, Winterton, Scunthorpe, Lincs.

KORAY, LTD., and its associated companies, the Harrogate Tablet Co., Ltd., Betalax Co. and Melio Products, Ltd., are now at Koray House, 25 Hanover Square, London, W.1 (Telephones: Mayfair 7317 and 7318).

MR. J. A. ROBERTSON, M.P.S., at one time a medical representative in Scotland for Pharmaceutical Specialities (May & Baker), Ltd., has arrived in Wellington, New Zealand, to take up an important post with May & Baker (New Zealand), Ltd.

A PARTNERSHIP under the style of Benjamin Brooks & Co. has been established at 2 Briggate, Kirkheaton, Huddersfield, by Mr. and Mrs. Donald B. Brooks, for the purpose of distributing the products of J. A. Brooks & Co., and other medicinal and toilet goods. The partners, Mr. and Mrs. D. B. Brooks, have disposed of their interests in Donald Brooks & Co., Ltd., to the remaining directors.

Proprietary Articles Trade Association

Alterations to Protected List.—Parke, Davis & Co., Dermalac, large bottle, 20s. doz., tax 20s. doz., inclusive retail price 4s. 2d. This size has been reintroduced to replace the discontinued small size.

The Western Dental Manufacturing Co., Ltd., Sotol tooth-paste and tooth-powder, 11s. 3d. doz., tax 3s. 9d. doz., i.r.p. 1s. 7d.

Oystrax, Ltd., 2s. size Oystrax brand tonic tablets withdrawn.

BIRTH

BRODIE.—At Lindores nursing-home, Glasgow, on March 30, Margaret, the wife of David R. Brodie, M.P.S., 30 Derby Street, Glasgow, C.3, of a son.

MARRIAGE

Golden Wedding.—**EVANS**—**RICHARDS.**—At the Parish Church, Tavistock, Devon, on April 20, 1895, John Evans, M.P.S., to Jessie Blanche Richards. Present address: 7 St. Barnabas Road, Cambridge.

DEATHS

BEATTIE.—On March 20, Mr. Edward Beattie, M.P.S., 98 The Green Road, Ashbourne, Derbyshire. Mr. Beattie qualified in 1897.

BLAYNEY.—On March 25, Mr. William Cowan Blayney, M.P.S., 27 Grosvenor Road, Seaford, aged seventy-nine.

BOWIE.—Recently, Mrs. Bowie, wife of Mr. E. Bowie, M.P.S., Mauchline, aged thirty-one. Formerly employed as a dispenser, Mrs. Bowie had assisted in her husband's shop since her marriage two years ago.

BROWN.—At 621 Alexandra Parade, Glasgow, on April 4, Mr. Andrew Brown, aged ninety-four. For some seventy-seven years before his retirement in 1939, Mr. Brown carried on a business at 104 George Street, Glasgow, as a maker of hospital appliances.

BURCH.—On March 23, Mr. Libbis Napier Burch, M.P.S., 21 Holyrood Street, Chard, Somerset, aged sixty-nine.

BURRELL.—On March 30, Mr. William Holmes Burrell, M.P.S., 203 Hall Lane, Hosforth, Leeds, aged eighty.

GORDON.—At Pathhead, New Cumnock, on March 28, Mrs. Eliza McWatt Younie Gordon, widow of the late Mr. Robert Gordon, M.P.S.

COWAN.—In action recently, Driver Ronald Cowan, R.A.S.C., B.L.A., a representative for and a nephew of one of the directors of A. Berman & Sons, Ltd., chemists' sundriesmen, Deansgate, Manchester, 3.

DAVIDSON.—On March 27, Mr. James Davidson, M.P.S., 16 Enderby Road, Harrow Weald, Middlesex. Mr. Davidson qualified in 1917.

GANT.—Recently, Mr. Robert R. Gant, M.P.S., Villiers Road, Oxhey, Watford, aged eighty-three. Mr. Gant, who had been

in his business for sixty years, and su postmaster for over forty, was also preside of the local Conservative Club.

MORRIS.—On March 15, Mr. Har Barker Morris, M.P.S., 14 Heathco Street, Kidsgrove, Stoke-on-Trent, Staff aged seventy-two.

SACHS.—In Dublin, recently, Profess Hans Sachs, a member of the staff of th Medical Research Council of Ireland sin 1939, aged sixty-eight. Dr. Sachs wa previously at the Institute of Experiment Therapeutics, Frankfurt, Germany.

SMITH.—At Southgate, London, on Marc 24, Mr. F. Percy Smith. Mr. Smith was pioneer in adapting films to studies biology. In collaboration with Dr. Julia Huxley, F.R.S., he produced a unique serie of ciné films on biological subjects, and in conjunction with Dr. E. J. Salisbury F.R.S., made a number of botanical films.

PERSONALITIES

MR. H. N. BUTLER has been appointe Director of Supplies (Special) under th Ministry of Supply.

MR. H. G. MOSS, M.P.S., Feltham, ha been elected a member of the Middlese Pharmaceutical Committee.

COUNCILLOR J. W. HUDDART, J.P. M.P.S., has been re-elected deputy-chairma of Blackpool Education Committee.

MR. HARRY P. FORBES, M.P.S., 27 Holbein Street, Aberdeen, has been adm itted a Guild Burgess of Aberdeen.

MISS NANCY M. ROSE, M.A., B.Sc., ha been appointed lecturer in biology in th School of Pharmacy, Robert Gordon's Technical College, Aberdeen.

LIEUTENANT-COLONEL G. P. POLLITT D.S.O., Harrage Grange, Cressage (a di rector of Imperial Chemical Industries Ltd.), has been appointed High Sheriff o Shropshire.

MR. JACK BRITTON, who has been ap pointed superintendent chemist of Notting ham Co-operative Chemists, Ltd., studied at Nottingham High School and Notting ham University College, and qualified as a pharmacist in 1934, after being apprenticed to Mr. G. F. Godson, Basford. He is a member of the Old Nottinghamians' Society and Nottingham Past Students' Association, and is on the committees of the India Relief Fund, National Co-operative Societies' employees' welfare club and managers' association, and of the National Union of Distributive and Allied Workers.

TRADE MARKS

from "The Trade Marks Journal," March 21)

"LAVENTA"; for medicated toilet paper (5). By Willad Paper Mills, Ltd., 29 Oxford Street, Newcastle-on-Tyne. 632,206.

"MIN-TU"; for lung syrup (5). By Bleasdale, Ltd., 23 Colliergate, York. 632,378.

"MOYA"; for antiseptics, disinfectants, bandages, surgical dressings, sanitary towels and tampons (5). By M. I. Downing, 32 Hillside Avenue, Clarksfield, Oldham. 632,435.

"SCORTAN"; for pharmaceutical preparations; "ARDASAN"; for disinfectants, insecticides and fungicides (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 632,288 and 633,024.

"BERTARON"; for preparations for the treatment of pernicious anæmia (5). By Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2. 632,467.

"KALDENTINE"; for artificial teeth; and parts thereof not included in other classes (10). By I.C.I. (Plastics), Ltd., Wexham Road, Slough, Bucks. 632,277 (Associated).

"ERFO"; for oil or fat refining apparatus (10). By Kernot Holding Co., Ltd., 19 Berkeley Street, London, W.1. 632,191.

"MAGNET"; for brushes (21). By E. W. Hayward, Ltd., Penton Brush Works, Edgware Road, Cricklewood, London, N.W.2. 632,047 (Associated).

"PIN-UP GIRL"; for non-alcoholic beverages (32). By Dallington Wine Products, 318 Uxbridge Road, Acton Hill, London, W.3. 632,412 (Associated).

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification No. 629,526, by T. J. Smith & Nephew, Ltd., should be altered so as to read: "Pharmaceutical preparations and substances for human use and for veterinary use; sanitary substances; medical and surgical plasters; bandages; surgical dressings; material prepared for bandaging, but not including medicated toilet paper or diuretics.

CONVERSION OF SPECIFICATIONS

Section 36 (3) and Rules 6 to 8

From Schedule III to Schedule IV

Specification No. 524,103, for pharmaceutical preparations, etc. (5); and Specification No. 524,104, for perfumes, cosmetics, toilet preparations, etc. (3)—both by Wright, Layman & Umney, Ltd.

From "The Trade Marks Journal," March 28)

"LARIENE"; for aromatic compounds for use in perfumery, in cosmetics and the like; perfumery and toilet and cosmetic preparations (3). By Ashe Laboratories, Ltd., 120-22 Victoria Street, Westminster, London, S.W.1. 629,859.

"FOO SHAN"; for soaps, perfumery, toilet and cosmetic preparations, dentifrices and essential oils (3). By J. Brelsford, Campella, Fairlight Cove, Hastings. 631,838.

"GROSSMITH"; for perfumes, toilet preparations, bath crystals, cosmetic preparations, etc. (3); also for smelling salts (5). By J. Grossmith & Son, Ltd., 29 Newgate Street, London, E.C.1. 629,945-46 (Both Associated).

"OCUCIL"; for toilet preparations for the eyes, eyebrows and eyelashes (3); also for medicated preparations for the treatment of the eyes (5). By R. Porteous, 25 Mandalay Road, London, S.W.4. 629,995-96 (Both Associated).

"RAYMEL"; for perfumes, cosmetics, toilet preparations, mouth-washes, bath salts, etc. (3). By W. H. Owen, 244 Stockport Road, Levenshulme, Manchester, 19. 631,913.

"ARDERMA"; for toilet preparations for the skin (3); "BULLY WALLY"; for face cloths (24). By Nor-Sun, Ltd., 160 Central Drive, Blackpool. 632,092.

"STANCE"; for perfumes, cosmetics, toilet preparations, mouth-washes, bath salts, etc. (3). By Peel & Campden, Ltd., 70 Campden Street, London, W.8. 632,980.

"MY-O-MY"; for perfumes, cosmetics, toilet preparations, mouth-washes, bath salts, etc. (3). By R. Demuth, Ltd., 68 Salisbury Road, London, N.W.6. 633,343.

"GAY CABALLERO"; for toilet preparations (3). By R. Desvaux & Co., 1 Shorrolds Road, Walham Green, London, S.W.6. 633,417.

"LADY FAYRE"; for medicated toilet paper (5). By A. Carus & Sons, Ltd., Hoddlesden Mills, Johnson Road, Hoddlesden, Darwen, Lancs. 629,698.

"OPAX"; for medical and surgical plasters; materials for bandages; sanitary towels and knickers. (5). By B. D. Edwards, 5 Beestmarket Hill, Nottingham. 630,233 (Associated).

WILLS

SIR JOHN JACOB FOX, C.B., O.B.E., D.Sc.; F.R.S., 25 St. Mary's Avenue, Finchley, London, N.3 (Government chemist), left £4,173, with net personality £3,936.

MR. RODERICK HAY, J.P., M.P.S., Greenhill House, Dingwall (Dewar & Hay, chemists, 48 High Street, Dingwall), left personal estate in Great Britain valued at £7,155.

MR. FRANCIS CHARLES MATTISON, Bridge House, West Overcliff Drive, Bournemouth (chairman of Kodak, Ltd., and a director of Eastman Kodak, Ltd.), left £227,658, with net personality £227,420.

MR. ALBERT EDWARD LEGG, 6 Sunny Side, Muswell Hill, London, N., late a representative of Edward Taylor, Ltd., medical and surgical plaster manufacturers, Monton, Lancashire, left £315.

BRAINS TRUST AT BATH

FIVE pharmacists at Bath, who sacrificed themselves on the altar of their fellow-members' entertainment by becoming members of a "brains trust" organised by the local branch of the Pharmaceutical Society on March 28, speedily dispelled any impression that the chemist of today is a man of narrow interests, for many of the questions were on matters widely divorced from pharmacy.

After a brief opening by the branch chairman (Mr. L. Williams), the session was put into the hands of the question-master (Mr. A. O. Keefe). The "trust" (Messrs. H. Lucas, A. O. Barton, J. T. Bonthron, J. R. Goldthorpe, and W. D. White) comprised: the retired principal of a college of pharmacy, the branch manager of a two-shop business, the representative of a wholesale druggist, the Publisher of *THE CHEMIST AND DRUGGIST*, and a proprietor pharmacist, the question-master himself being the branch manager of a multiple-shop concern. The knottiest pharmaceutical problem turned on the functions of the superintendent of a one-shop limited company. Each member in turn spoke, but while one considered the superintendent's functions were to supervise, and another that he had to act as a director for company law purposes, a third regarded him merely as a figurehead. The final "brain" excused himself from answering, on the ground that it was his own question. Summing up, the question-master hinted that members were no doubt already turning over in their minds the possibilities of drawing two salaries at once! The meaning of "to be repeated" was variously interpreted in a question on the barbiturates. One member took the view that implicit in the phrase was the word "once," while another maintained that the prescriber's intention, in giving the instruction without qualification, was that the medicament should be repeated until the condition cleared up. There was, however, agreement that a point arose at which the doctor needed to be approached, either by the pharmacist or by the patient.

The question-master scored by neatly fixing on the Pharmaceutical Society the blame for withholding from persons under twenty-one the full rights of manhood and womanhood, after one expert had charged the aged with clinging to their adult privileges and another had recalled that it was once possible to take the Qualifying examination at eighteen.

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor at Bath not later than the Wednesday morning of the week of insertion. Secretaries are advised to send copies of printed programmes of local activities so soon as they are completed.

Monday, April 16

FOOD EDUCATION SOCIETY, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C., at 2.30 p.m. Mr. A. L. Bacharach, M.A., on "Food: The Science, the Logic and the Art."

Tuesday, April 17

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS, West Ham Municipal College, at 7.30 p.m. Dr. Frank Wokes on "The Story of the Vitamins."

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY, Institute Hall, Union Church, Queen Square, Brighton, at 7.15 p.m. Mr. A. L. Bacharach, M.A., on "Penicillin."

NORTH LONDON BRANCH, NATIONAL PHARMACEUTICAL UNION, Manor House Hotel (Manor House Station, Piccadilly Line), at 8 p.m. Mr. R. H. Kemp on "The N.P.U. Business Purchase and Guarantee Fund."

Wednesday, April 18

ROYAL SOCIETY OF ARTS, John Adam Street Adelphi, London, W.C.2. at 1.45 p.m. Sir Edward Appleton, F.R.S., on "The Work of the Department of Scientific and Industrial Research."

Thursday, April 19

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 11.30 a.m. Annual meeting. At 2.30 p.m., presidential address.

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Mr. T. Heseltine (a member of Council) on "Current Pharmaceutical Affairs."

Friday, April 20

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, 17 Bloomsbury Square, London, W.C.2. Third annual conference (continued on April 21 and concluded on April 22). Speakers: Professor W. H. Linnell, Mr. F. G. Wells (president, Pharmaceutical Society), Miss M. C. Islip, and Mr. C. W. Mapletorpe (members of Council of the Pharmaceutical Society). Details from Mr. J. E. Shinner, 3 Endsleigh Street, London, W.C.1.

Saturday, April 21

ASSOCIATION FOR SCIENTIFIC PHOTOGRAPHY, Caxton Hall, Westminster, London, W.1, at 2.30 p.m. Mr. E. Mackie on "Micrography and Cinemicrography Apparatus."

Sunday, April 22

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Chapel South. Meet Central Station, 8.45 a.m. Book Buxton return.

GREETINGS FROM FRANCE

In a message received by THE CHEMIST AND DRUGGIST and reproduced below, M. Huguet president of the French Syndicate of Pharmacists) sends greetings to British pharmacists.

IN an interview with THE CHEMIST AND DRUGGIST Paris Correspondent, M. Huguet explained that French pharmacists, in common with all other Frenchmen, suffered severely under German oppression. In 1939, the profession was about to be reorganised by law when the war broke out and the whole plan fell to the ground. After the occupation, the Germans did not seem interested in the distributive side of the industry, but Vichy, copying the Nazis, soon began a reorganisation of the profession. Gradually all liberty was suppressed, and in 1941 the Syndicate was abolished by decree, and a series of *Chambres* took its place. These *Chambres*, however, did not enjoy the liberty which had been exercised by the Syndicate. It is true that some of the pharmacists' wishes were met; parts of the proposed laws which had been discussed in Parliament in 1939 were retained, but the State remained the sole arbiter in all matters. Since the Liberation, freedom has once again been restored, and a new law for pharmacists will soon come before the Assembly. This is expected to meet the wishes of pharmacists, particularly one which will tighten the rules and regulations for entering the profession. Further, the Syndicate has been reborn to watch over the interests of the craft. Affiliation to the Syndicate is free once again, and there are some 9,000 members out of 12,000 pharmacists throughout the country.

Prospects of Fusion

The rest are affiliated to two smaller syndicates but, since the Liberation, talks have been going on and there will most certainly be a fusion between all three organisations. The beginning of the war in 1939 did not

have any serious effects on the industry, which was able to import up till May 1940. After the occupation, however, everything became disorganised. Some pharmacies had been destroyed, but the greatest hardship was the division of the country into three parts:—The northern zone, which was entirely removed from French jurisdiction; the occupied zone, which kept its French laws but was under German domination; and finally, until 1942, the free southern zone. During the occupation, commerce between the three zones was stopped, and it was impossible to send supplies from one zone to the other two. At the beginning reserves and stocks were sufficient to meet most demands. Before Vichy forced the dissolution of the Syndicate, a plan was drawn up for the reservation of

M. HUGUET'S MESSAGE

To our confrères of the United Kingdom, French pharmacists send their best wishes and express their admiration for the great courage of their country and send thanks to their Army for having liberated France. Thanks to the heroism of the Allied Armies, hope again springs up in the hearts of all our countrymen. We shall never forget that if we are once again free men it is due to the perseverance and tenacity of a great leader, the Prime Minister, Mr. Winston Churchill. We ask British pharmacists to pass on to him the homage and respect of all French pharmacists.

stocks. These were hidden from the enemy and were distributed to the pharmacists every three months, under cover.

Scarcity Begins

Later on, stocks began to disappear. The Germans, naturally enough, discovered some of the supplies, and serious scarcity began to be felt. Bombardments from the air also disorganised transport, so if one section of a zone needed a particular medicine or raw material, it was often impossible to transport it. Oils and pomades, glycerin, derivatives of opium, morphine and alcohol, sugar, insulin, vaccines and serums, as well as iodine, became rare and almost impossible to find. Certain products disappeared entirely. A few synthetic articles replaced them, particularly pomades. Another serious problem was the shortage of bottles. The industry organised collections which had some success, but the bottle shortage is still acute.

In spite of these difficulties, there have been no epidemics. This good fortune is due, primarily, to doctors and chemists alike, who managed to find substitutes for scarce drugs. While these substitutes were not all that could be desired, they nevertheless filled a real need. The lowest point was the winter of 1944-45 when, in M. Huguet's opinion, an epidemic would have had very serious consequences. Pharmacists would never have been able to meet the demand for drugs or medicines. Fortunately the winter has passed; there are now more coal, electricity and other supplies, and the danger of epidemics has consequently diminished.

In the North, and in Normandy, a great many chemists' shops were destroyed, both in the invasion of 1940 and in June 1944.

At Dunkirk, for example, pharmacists did amazing work among the civil population. Although their establishments were in ruins, they managed to salvage what they could, and organised themselves in any kind of cover or shelter they could find, being thus able to meet some of the needs of the suffering population. Figures now available, but not including Alsace and Lorraine, show that 1,000 pharmacies were destroyed out of 12,000. Nevertheless, life is returning to the destroyed towns, and the pharmacists are using all their ingenuity to re-establish themselves as quickly as possible. Finally, one must add that many pharmacists have been deported to Germany, and that many more took an active part in the resistance movement; some of these died the deaths of heroes.

NORTHERN IRELAND NOTES

Ulster Chemists' Association Dance.—Over 200 guests were present at a dance arranged by the social subcommittee of the Ulster Chemists' Association and held in Belfast on March 22. Prizes for spot dances were presented by members of the subcommittee. In a ballot the programme prizewinners were: 1, Mr. E. G. Mackle; 2, Mr. W. J. Beattie; 3, Miss E. Douglas. Messrs. W. H. Boyd (chairman, Associates' Section) and James McClenahan (secretary) shared the duties of M.C.

North Down Chemists' Dinner.—At the annual dinner of the North Down Chemists' Association, held in Bangor, co. Down, on March 29, the president (Mr. S. H. Forrest) was in the chair, and guests included Mr. Charles Abernethy (president, Pharmaceutical Society of Northern Ireland) and Mrs. Abernethy; Mr. A. E. Johnston (president, Ulster Chemists' Association); Mr. James McClenahan (secretary, Ulster Chemists' Association); Messrs. J. W. Sandford and E. A. Poots (president and secretary, East Antrim Pharmacists' Association); J. N. Patterson (pharmacy inspector); and Mr. P. Wood. The president expressed sympathy with Mr. R. Hall (secretary) in the loss he had sustained by the death of his brother (Mr. John Hall, Ph.C., Larne), to whom Messrs. Forrest, Sandford and Poots also referred, Mr. R. Hall acknowledging the expression of sympathy. The toast of "The Pharmaceutical Society of Northern Ireland" was proposed by Mr. D. M. B. Kelly, Mr. C. Abernethy replying. "The Ulster Chemists' Association" was proposed by Mr. J. Gray, Bangor, Mr. A. E. Johnston

responding. Other toasts were "The East Antrim Pharmacists' Association" (Mr. Forrest) and "The North Down Chemists' Association" (Mr. Johnston).

North-east Ulster Association Formed.—The president and secretary of the Ulster Chemists' Association (Messrs. A. E. Johnston and James McClenahan) recently attended in Coleraine a representative meeting of chemists from Ballymoney, Coleraine, Kilrea, Limavady, Portrush, Portstewart, Bushmills and Ballycastle. Alderman R. F. McCartney, Ph.C., J.P., Coleraine, occupied the chair, and it was decided to form a local association to be known as the North-east Ulster Chemists' Association. The following officers were elected: *President*, Alderman R. F. McCartney; *Vice-president*, Mr. G. W. T. McCann, Ph.C., Portrush; *Secretary*, Mr. J. Donaghy, Ph.C., Ballymoney; *Treasurer*, Mr. Joseph White, Ph.C., Coleraine. The following were elected to the *Committee*: The foregoing, *ex-officio*, and Messrs. J. McCandless, Ph.C., Ballycastle, and W. Reville, Ph.C., Portstewart, and Miss L. Lecky, Ph.C., Coleraine. Mr. A. E. Johnston wished the newly-formed association success, and, to mark the occasion, presented a brass mortar and pestle to the Association. Matters discussed included remuneration for N.H.I. dispensing and the meeting recommended that an increase in dispensing fees should be sought. Mr. J. Donaghy (a member of the Council of the Pharmaceutical Society of Northern Ireland) gave a brief summary of the provisions of the new Medicines, Pharmacy and Poisons Bill, Northern Ireland.

NOTE ON OINTMENT OF WOOL ALCOHOLS

by Janet S. McEwan, B.Sc., Ph.C.

Abstract of a Paper read before the North British Branch of the Pharmaceutical Society at an Evening Meeting in Edinburgh on March 23 (see p. 383)

BECAUSE of complaints about the unsatisfactory nature of the Ointment of Wool Alcohols of the Sixth Addendum, the seventh Addendum to the British Pharmacopœia allows variations in the proportions of hard, soft and liquid paraffins. Some variations have, therefore, been tried in an attempt to find the most satisfactory ointment for use as such, and for the preparation of Unguentum Aquosum. The anhydrous ointments were made by melting the ingredients together on a water bath, mixing well and then allowing to cool without touching. To make the corresponding hydrous ointments, warm water was added to the anhydrous ointment while it was still warm and the mixture was stirred until cold. The ointments obtained in this way were all smooth, homogeneous preparations at the time of manufacture, but reacted differently on storage. They were first of all stored at ordinary laboratory temperature for some time and then at a temperature ranging from 72°–90° F., with an average temperature of 85° F., thus representing summer conditions.

Anhydrous Ointment

The only differences made by varying the proportions of the paraffins in the hydrous ointments were differences in consistency and opaqueness. Increasing the hard paraffin content, with corresponding decrease in liquid paraffin, produced harder and more opaque ointments, in which it would be difficult to incorporate dry ingredients. Preparations made with less hard paraffin and correspondingly more soft paraffin were more translucent and soft. At 90° F. an ointment made with one-quarter the nominal hard paraffin content was liquid, and another with one-half hard paraffin was almost pourable. Increased soft paraffin at the expense of liquid gave a preparation of a satisfactory consistency. It was soft and plastic enough at ordinary temperature to incorporate dry ingredients, and remained fairly stiff at 90° F. Increasing both the hard and soft paraffin had the same effect as increasing hard alone. The official formula was also tried using liquid paraffin, B.P., and light liquid paraffin. The substitution of light paraffin made little difference, the ointment being only slightly softer. Both were rather hard.

It appears, therefore, that the most satisfactory preparation for use as an ointment base with dry ingredients is the one with a higher proportion of soft paraffin and less liquid paraffin than the official preparation.

Hydrous Ointments

The test of a satisfactory hydrous ointment is its stability towards separation. Decreasing the hard paraffin content, with increase of soft paraffin, and increasing the soft paraffin content at expense of liquid paraffin, as well as other variations, were tried. The differences noted were more pronounced on storage at higher temperatures. Ointments made to the official formula with both light and ordinary liquid paraffins were quite stable on storage at laboratory temperature, and withstood higher temperatures at first. On the fourth day at 70°–90° F., however, separation became apparent. In preparations made with hard paraffin increased from 24 per cent. to 27 per cent. and 30 per cent. respectively, at the expense of liquid paraffin, there was a slight improvement; the products were stable at ordinary temperature, though harder, but separated badly after twenty-four hours at 70°–90° F. An ointment made with extra hard and soft paraffin was very hard, and showed slight separation after being stored at 70°–90° F.

Factors in Stability

The most stable ointments were those with increased proportions of soft paraffin. One with soft paraffin increased from 10 per cent. to 20 per cent. nominal showed no sign of separation after storage first at laboratory temperature and then at 70°–90° F. When soft paraffin was increased further to 30 per cent., the resulting preparation was stable for four days at 70°–90° F.; on the fifth day slight separation took place. In a suggested formula for a product to use as an anhydrous base, the soft paraffin content is increased from 10 per cent. to 30 per cent., with corresponding decrease in liquid paraffin. For the preparation of the hydrous ointment, the suggested modification is an increase of soft paraffin from 10 per cent. to 20 per cent.

[From the Laboratories of Duncan Flockhart & Co., Edinburgh, 8.]

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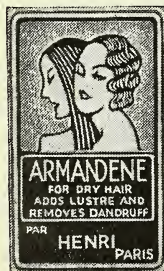
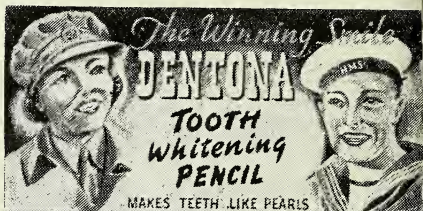
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DL. CXLIII APRIL 14, 1945 NO. 3401

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

A Triumph of British Production

THE magnificent war production achievements of the British pharmaceutical, drug and allied goods industry has so far received scant recognition in the world's Press. Occasionally, unsubstantiated public comment on its efficiency has not tended to enhance the world prestige of the industry. It is, in our opinion, high time that business interests in all Empire countries, in the United States and other Allied countries should be informed authoritatively and precisely of the facts of the great war-time developments that have been made in all branches of the industry, as reflected in the mass production of thousands of products and articles of the highest quality.

We recently published an illustrated article, "Medical Supplies for the Forces" (C. & D., January 20, p. 40), describing one of the great Government stores supplying the Forces overseas with British-made medicines and drugs, surgical, dental, optical and hospital goods and equipment. A critical and detailed inspection of this depôt satisfied us that there was no shortage of supplies, and that in all respects the requirements of the authorities were being

met by British manufacturers. The dispatches from this depôt of medicinal products, instruments and equipment to Forces in all parts of the world have averaged over seventy tons each week, and run into thousands of items, yet on no single occasion has shipment been delayed or held up on account of lack of supplies, quality or packing of these British goods. In addition, British industry has maintained supplies for home needs. All this has been achieved under war conditions.

Supplies for American Forces

Further confirmation of the efficiency and the enormous capacity of the British drug industry is forthcoming in an official report just received on reverse Lend-Lease in respect of medical requirements supplied to the Armed Forces of the United States. During the period July 1942 to July 1944, three-quarters of the American Forces' total medical requirements in Britain were supplied by British manufacturers. Items mentioned in the report include 57 million sulphonamide tablets; 20 million aspirin tablets; 15 million hypodermic tablets; 6 million ophthalmic tablets; more than 6½ million ampoules of various kinds, complete with one million syringes and several million needles; and 500,000 vials and ampoules of sera and vaccines for prevention and treatment of infectious diseases such as typhoid and diphtheria. Under the Mutual Aid scheme, thirty tons of British-made agar has been supplied to the U.S. authorities for bacteriological purposes. American demands for surgical dressings were met to the extent of 750 tons, in the form of twenty-three million white open-wave bandages, nearly nine million sq. yd. gauze, and 450,000 lb. cotton wool. Millions of yards of catgut of British make have been supplied in 1,700,000 tubes, together with 700,000 needles. Four-and-a-half million dental drills have been handed over to American Army dentists, and 270,000 pairs of operating gloves to surgeons; 33,000 blood-transfusion sets were built up from thousands of components. Oxygen apparatus has been fitted to 5,500 beds in American hospitals in this country. Although the American Forces brought with them their

own oxygen and anæsthetic gas cylinders and apparatus, 15,000 special adaptors were made in Britain to allow British and American types to become interchangeable.

New Production Methods

Many of the requests of the Americans have involved the setting-up of entirely new production methods, at a time when British capacity was strained to the utmost. For instance, orders were fulfilled for hundreds of thousands of surgical instruments, including 150 of the latest type pump used in brain surgery, never produced in this country before. Another order was for 100,000 artery compression forceps. Nothing but the finest-quality productions satisfy the American authorities, and British goods supplied to them have been up to that standard.

Other war-time achievements of the British drug industry include the supply of millions of pounds' worth of medical supplies and equipment to Russia and to the liberated countries of Europe. When world trade opens up after the war, the British pharmaceutical, drug and allied goods industry will be capable of holding its position as one of Britain's leading export industries.

Patent Law Reform: Is It Needed?

THE question of possible reforms in the legislation governing the issue of patents in this country is at present before a committee appointed by the Government. In this matter the paramount consideration must be the ultimate public interest, and any legal changes should be framed for the purpose of securing the maximum long-term advantage for the nation as a whole. The interests of a section, however "expert," must always be subordinate. Nevertheless some sectional interests command greater attention than others, and in this connexion a pronouncement recently made by the president of the Chartered Institute of Patent Agents is important. Taking as his title "The Patent System in its Relation to the Public Interest," this authority urges "all those with any real knowledge of the subject" to "rally to the defence of a

system which is demonstrably vital to the well-being and advancement, not only of this country, but of humanity as a whole.'

In the face of recent criticisms, these are bold words. What arguments does he adduce to substantiate them? Claiming to have read "almost everything that has been written in the past two years in criticism of the patent monopoly," he divides such objections into two categories, the kind which is "composed of mere platitudes and popular catch phrases" and a second type which appears to him to rest upon the "wholly illogical basis" that patents are bad because they promote cartels and trade associations, leading to unethical practices and a restraint of trade.

Re-examination Required

To ourselves it would have seemed that there was a third class of criticism which, while admitting that the principle was good and valuable of guaranteeing a reward to the inventor or discoverer of "something new, something before unknown, something added to the sum total of human knowledge, utility and well-being," nevertheless acknowledged that from time to time it is necessary to re-examine whether and to what extent the existing legislation falls short of this ideal. Indeed, criticisms of the patent system as wholly and intrinsically bad have so far not come before our notice from any quarter.

Admittedly such re-examination is difficult, and needs to be done dispassionately and without prejudice—in the spirit, in fact, of a scientific investigation. This is hardly the attitude taken up by the patent agents' president, who appears to confuse a statement of belief with factual disproof of an opponent's case. Thus, after quoting an extract from a report by the Council of the Institute in the following terms:—

This Institute does not believe that patent monopoly rights are abused to any appreciable extent, and it holds the definite opinion that patent owners in the vast majority of cases exercise their rights in a manner which is entirely satisfactory to the general community. It is not aware of any public dissatisfaction with the commercial development of inventions in this country

he goes on "thus it can be seen that the attack on the patent system is wholly illogical." It may be doubted whether such

a conclusion is apparent. What is clear is that the patent agents consider the present system perfect, or nearly so.

Patent Systems Compared

A more convincing argument might be to give comparative statistics showing what has been the course of patents registrations in this country under a system which, as is pointed out, has remained virtually unchanged for three centuries, and what has resulted in other countries where the systems differ from our own. Light needs to be shed also on how British inventors have fared abroad, compared with the fortunes of overseas inventors in Britain. Monopoly for an inventor in the home market may, in modern conditions, be insufficient reward for an inventor who has against him a foreign device for which something approaching a world monopoly has been secured. In other words, there may be valid reasons for introducing changes even in an otherwise perfect system, in order to secure reciprocity. In any case, the time has gone by when such intricate and important questions as patent law reform can be decided on expressions of opinion. They must be subjected to an analysis of facts—a task the Institute might well undertake.

Trading with France

FURTHER information has now been produced by the Board of Trade on the issue of three Orders whereby current trade with France has been freed from restrictions imposed by the Trading with the Enemy Act, 1939 (*C. & D.*, April 7, p. 353). Remittances from France in respect of commercial transactions, it is pointed out, require the permission of the French Foreign Exchange Control, and it would normally be the concern of the French importer to obtain such permission. There are no restrictions on the receipt of money from France through banking channels in respect of commercial transactions. Franc balances must, however, be offered for sale to the Treasury, and this should be done through a bank.

Exports Limited

For the present, exports to France are subject to certain limiting factors, both as

to the type of goods required by the French authorities and as to the methods of importing adopted by them. The primary need of the French will be for goods required for the reconstruction of their economy. To ensure that the limited shipping and internal transport available are put to the best possible use to relieve urgent and vital demands, the French Government finds it necessary for the present to limit imports from the United Kingdom to goods included in the French import programme and bought on Government account by their purchasing missions here. An order from the French Purchasing Mission in London implies that the necessary freight and currency will be made available. In general, no useful purpose will be served by British exporters applying direct to the French Purchasing Mission in London with a view to adding items to the programme. It is for the importers in France to ask, through their trade organisations, for the inclusion of their requirements in the French import programme. It may, however, be useful for British exporters to get in touch with their customers in France, and to give them all relevant information as to the possibilities of export to France. Goods which are subject to United Kingdom export control to all destinations, even though purchased by the French Purchasing Mission, will still, of course, require to be covered by export licences, applications for which should be made to the Export Licensing Department, 4 Fenchurch Avenue, London, E.C.3.

Payments for Imports

Remittances to France in respect of imports from that country require the permission of the United Kingdom Exchange Control, for which United Kingdom importers should apply through their bankers. At present, imports from France are limited to goods imported on Government account. When arrangements have been made for imports of any types of goods from France on private account, traders will be informed in the usual manner. Meanwhile, no applications for licences to import goods from France should be made to the Import Licensing Department.

NOMENCLATURE OF DRUGS

THE Western (London) Pharmacists' Association met on March 28 to hear addresses by three pharmacists. Mr. T. D. WHITTET spoke on "The Nomenclature of B.P. and Other Drugs."

Multiplicity of trade names for definite chemical substances, he said, caused considerable confusion to both physician and pharmacist, and led to needless expense and duplication of stock. For example, procaine hydrochloride was issued under at least thirteen different trade names, whilst there were over fifty different synonyms for sulphanilamide. Many firms bought sulphanilamide from a common source and merely packed and labelled it independently. The sole object here was obviously to make a profit, and not to fulfil a consumer need. Considering the great advances in medicine in recent years, and the large number of genuine new drugs, it was little to be wondered at that busy doctors had not time to memorise long lists of synonyms for simple drugs. The "British Medical Journal" had stated recently that "the practising doctor cannot be expected to know more than one name for a drug, and knowledge of a single name ought to be sufficient to permit him to identify a drug even when several different brands are on the market." Pharmacists might be inclined to criticise doctors for prescribing drugs by proprietary names, but must realise that often new drugs were introduced into medicine under trade names and the physician used them long before they received pharmacopœial recognition. Once a name became familiar, it was difficult to change to a new one.

Pharmacists' Problem

To the pharmacist in retail business the matter of nomenclature was of more than theoretical interest, since it was compulsory for him to supply the brand prescribed. Thus it might be necessary to carry a stock of as many as a dozen different brands of the same drug. This led to unnecessary expense and often delay. The hospital pharmacist was mainly concerned with the difference in price between the official and proprietary article, but had more easy access to the prescriber and could usually persuade him to agree to use the official drug. When a large New York hospital had instructed its pharmacists to supply, in place of proprietary drugs, the equivalent products of the United States Pharmacopœia, the resulting saving to the

hospital had been no less than £12,500 in one year. He himself had been able to effect considerable economies by this means.

Progressive Policy

The British Pharmacopœia Commission, through its nomenclature committee, had adopted a progressive policy by providing an approved name for drugs at an early stage of their introduction into medicine, and a supplement giving the suggested official names for drugs had been issued with the Seventh Addendum to the Pharmacopœia. The Comptroller of Enemy Patents and Trade Marks, when granting licences to use enemy patents, had the power to enforce a provision that any substance made under licence should be marketed under one uniform non-protected name. The power, however, did not seem to have been used. In America, conditions were more satisfactory, for the Council on Pharmacy and Chemistry of the American Medical Association refused to recognise proprietary names for articles included in their Pharmacopœia or National Formulary. Just before the war there was a suggestion of forming an analogous body in this country, to include representatives of the British Medical Association and the Pharmaceutical Society, but owing to the heavy cost involved, and the already heavy commitments of both societies, the idea was shelved for future reference. Surely, said the speaker, in view of the proposed National Health Service, now was the time to revive the idea, and it was of sufficient importance for the council to be financed from public funds. If such a council were set up in this country it should have consultations with the American and similar bodies with a view to international agreements. This would abolish such anomalies as one of the principal alkaloids of ergot being known as ergometrine in this country and as ergonovine in America. A further important factor was the improved teaching of pharmacology and therapeutics in medical schools, and post-graduate courses to keep practitioners up to date. Individual pharmacists should support the progressive policy of the Pharmacopœia Commission by learning official names so soon as they were published and using them exclusively. Secondly, they should use the official names on labels.

In a talk on "Post-war Individual Enterprise" Mr. J. HOWARD EVANS

envisaged heavy competition from co-operative societies and multiples, and suggested that pharmacists should plan now on both individual and collective lines. He advocated "own name" preparations of the highest quality, improved standards of training for assistants, strong support to Chemists' Friends manufacturers and a distinctive finish to shop fronts and windows. Collectively pharmacists could improve their position by greater use of Association and

Branch organisations, courses on business methods, simultaneous window displays, and closer contact with local authorities. A subscription of £5 per shop to the National Pharmaceutical Union would, he thought, more than repay its cost in increased help to members. MR. ERIC NEAL, a visitor from the West Kent Branch, delivered an address on "Pharmaceutical Reorganisation" (see *C & D.*, March 3, p. 226).

EVENING MEETING IN EDINBURGH

THE fourth evening meeting of the session of the North British Branch of the Pharmaceutical Society was held in Edinburgh on March 23, Mr. John Anderson (chairman of the Executive) presiding. THE CHAIRMAN, in welcoming the audience, referred to the absence of the resident secretary, who had been called to attend a meeting in London. Acting as his deputy they had Mr. Jackson, who had prepared all the data for the meeting, the purpose of which was to hear papers by Mr. George MacMorran, Ph.C., Miss Janet S. McEwan, B.Sc., Ph.C., Mr. David Ritchie and Mr. William Stout. Abstracts of the papers will be given in the *C. & D.* under their separate titles. The first is on p. 377.

In discussion on the papers, MR. MAIR referred to the possibility of sulphadiazine being manufactured in this country, and MR. MACMORRAN believed the preparation could only be made in America, although an alternative called sulphamethazine was being made in Britain by Imperial Chemical Industries, Ltd. THE CHAIRMAN understood that the manufacture of sulphadiazine in this country was at present prohibited under the Lease-Lend Act.

MR. HEDDERWICK referred to difficulty often experienced owing to variations in size of tablets, and suggested that standardisation in size of tablet in the British Pharmacopœia would be a step in the right direction from the point of view of the retail chemist.

Praise for First Paper

MR. BEATTIE complimented Miss McEwan on her first contribution to the scientific meetings in Edinburgh; her paper, he said, was a great credit to herself and would be of great profit to all. MR. RITCHIE thought there had been an attempt in the Seventh Addendum to bring in modern types of ointment bases, but he felt that these bases did not yield the best types of ointment. He was of opinion that the new bases were only a temporary measure, and that they

would probably be replaced in future Pharmacopœias by ointment bases of a more stable and elegant type.

MR. HARLEY said the work on aconite carried out by Mr. Ritchie was of special interest to himself because he had been privileged to grow one or two of the plants, which had developed to a height of about 9 in. and had flowered fairly freely. He had, however, been unable to obtain any seed. A feature of the plant was the astonishing amount of root growth it developed for its size. He hoped that Mr. Ritchie would retain some of the roots and also, at a later date, give another paper on the leaf.

Hint to N.P.U.

PRIVATE LOCKWOOD congratulated Mr. Stout on the amount of work which he had carried out; the number of estimations must have been colossal. Mr. Stout had suggested two methods of overcoming the difficulty of precipitation from alcoholic solutions of mercuric chloride: by making an allowance of 1.4 per cent. to offset the effect of the pyridine in the methylated spirit; and by using isopropyl alcohol, which was, of course, rather more expensive. It occurred to him that there was a third method and that was for the N.P.U. to take up the matter with the Customs and Excise authorities to see if the inclusion of a 5 per cent. solution of mercuric chloride in industrial methylated spirit could be put into the N.P.U. formulary; no doubt the Union would be pleased to co-operate.

On the motion of MR. DALL, seconded by MR. CAMPBELL, a vote of thanks was awarded to the contributors of papers.

THE CHAIRMAN said the meeting was the last of the present session. All four meetings had been marked by the keenness and thoroughness with which the speakers had gone into their various subjects.

On the motion of MR. BEATTIE, a cordial vote of thanks was conveyed to the chairman.

M.O.H. BULLETIN TO PHARMACISTS

THE following abstracts are taken from the Ministry of Health Bulletin to Pharmacists, issued by arrangement with the Pharmaceutical Society:—

Diphtheria : Responsibility of Parent

IN 1940 the estimated number of children aged one to four in England and Wales was 2,881,000; of children aged five to fifteen, 5,791,000. 54,666 died; and no fewer than 44,996, or 80 per cent. of them, were under the age of five years. The principal causes of death in childhood are, in the first two years of life, bronchitis and pneumonia, diarrhoea and enteritis, whooping cough, measles, tuberculosis (all forms) and diphtheria. After the age of two years diphtheria advances relentlessly, and in its fourth year attains priority, where it remains until the age of eleven years, i.e., throughout more than one-half a child's school life. In the Infectious Diseases (Notification Act), 1889, and the extension Act of 1899, Parliament recognised that local health authorities had a duty to protect the healthy from the infectious sick; the Acts prescribed compulsory notification of diphtheria among other communicable diseases. The policy was not successful, partly because many diseases concerned are infectious in the early stages, when diagnosis is difficult or impossible, and partly because many people harbour the organisms of disease yet remain well. Both factors are notoriously true of diphtheria, the importance of which is so great that medical officers of health are officially encouraged to admit to hospital even doubtful cases. Twenty per cent. of notifications that a patient is suffering from diphtheria are estimated to prove wrong. A mother cannot be led to suspect a child of having diphtheria unless she is taught to keep the possibility always in mind, but she can set her mind at rest by insisting that her children receive prophylaxis. The pharmacist can remind inquiring mothers of the possibility of diphtheria, and encourage them to take children to be immunised. Communal effort as practised by local authorities has reached the limit of its efficacy. Today immunisation is the only scientific method of control, and progress is impossible without intelligent co-operation by parents.

Late in 1940, the Ministry of Health began to supply immunisation materials free of cost to local authorities. In mid-1943 the child population aged 0-15 of England

and Wales was estimated to be 8,583,000 and the total number of children who had been immunised under local authority arrangements by the end of 1943, and who were under fifteen years at the time of immunisation, was about 4,820,115. About 56 per cent. of the population at this age are estimated to have been immunised at the end of 1943. In the two years 1942-43 the annual rate of incidence of diphtheria among immunised children was rather more than a quarter of that amongst the number not immunised; the mortality ratio was about one to twenty-three.

Rheumatism : An Unsolved Problem

THE term "rheumatism" covers a group of diseases, most of which are common, all painful and crippling. The group includes substantially different diseases; one clearly resembles an acute infectious fever, another suggests a smouldering infection of the connective tissues next to the muscles, and a third, which produces an extensive derangement of joint structure, seems to rest on a basis of the degenerative processes associated with age. No single factor—genetic, climatic, infective or nutritional—has yet been demonstrated as common to the whole group, and the relationship of the diseases to one another remains unsolved. In 1924 the diseases accounted for 14 per cent. of the total sickness and disablement among insured persons. A recent inquiry in a group of English munitions factories showed that rheumatic diseases caused as much sickness absence as accidents, and that, next to colds and influenza, they were the most frequent cause of illness.

Major Rheumatic Diseases

A classification adopted in a Ministry of Health investigation in 1924 recognised eight diseases as major members of the group:—

RHEUMATIC FEVER.—This acute illness can be readily separated from other members of the group. Children of school age form a majority of the patients. Fever and joint pains are obvious features, but the less obvious involvement of the heart is more important because of probable serious after-effects (chiefly permanent valvular damage leading to a grave physical handicap and even to shortened duration of life). An ill-defined relationship to infection by *Streptococcus haemolyticus* is well established. The association between incidences

of rheumatic fever and of streptococcal diseases, such as epidemic sore throat and scarlet fever, has long been noted. Infection of the throat with hæmolytic streptococci commonly precedes an attack of rheumatic fever by several weeks, but the micro-organisms are apparently not a direct cause. Rheumatic fever can best be prevented by controlling epidemics of streptococcal infection. Experiments with sulphonamides by mouth have given good prophylactic results in the armed forces of the U.S.A. In children the routine use of these drugs is held to be unjustifiable, except for prevention of recurrences. Probably transfer to a good climate, improved social conditions and better-balanced diet can diminish susceptibility. Salicylates are still the only specific treatment for acute attacks. Bed rest, often in hospital, intensive nursing, and medical care are required, to minimise after-effects. It may be necessary to administer salicylates by injection in order to obtain an effective concentration in the blood. An important part of after-care is the prevention of further sore throats and other infection caused by hæmolytic streptococci. A gradual and controlled readjustment of the patient's physical activities without making excessive demands on a damaged heart is also essential.

SUBACUTE RHEUMATISM.—This is essentially a mild attack of rheumatic fever. Most of the patients are children or adolescents. Salicylates are specific in treatment, and after-care is the same as for rheumatic fever.

MUSCULAR RHEUMATISM.—In this form the joints are not affected; no precise causation can be assigned. Workers in "heavy" occupations where there is exposure to violent changes of temperature appear to suffer especially. Artificial acclimatisation to sudden temperature changes has been provided for miners in pithead baths. Immediate relief can usually be obtained by the injection of local anæsthetics such as procaine. Local application of heat (with or without the use of water) is usually effective.

LUMBAGO AND SCIATICA.—In lumbago, localised areas of pain and tenderness are usually present as in muscular rheumatism. The condition is characteristically a disease of robust males, and often begins in middle life about the time when the athletic activities of youth are given up. Causation is obscure, but recent research suggests acquired or congenital anatomical defects in the fasciæ which ensheath the fat under-

neath the powerful back muscles. Treatment is the same as for muscular rheumatism.

In sciatica and brachial neuritis nerves as well as muscles are involved. Some cases are due to an anatomical defect in the intervertebral discs causing irritative pressure on the spinal nerves. The condition shows sudden remissions, which rest, combined with immobilisation (perhaps in plaster), seems to promote. Pain is also minimised by heat physiotherapy. In certain cases surgical interference is warranted, but the operation is difficult and not without risk.

RHEUMATOID ARTHRITIS.—Rheumatoid arthritis is characterised by painful swollen joints, notably of the hands. Women are more often affected than men. After a prolonged and variable course the chronic disease usually dies out but may leave in its wake joints permanently damaged. There is no clear lead to preventive measures, but correction of defects favouring chronic septic foci appears worth while. Early diagnosis by means of an x-ray examination (especially of the hand) may enable prompt treatment to arrest the disease. The most effective measures seem to be injection of soluble gold salts, vaccines and generalised x-ray irradiation. Some of these are heroic measures and are not devoid of risk. Claims made for massive dosage by mouth with preparations of irradiated ergosterol (vitamin D) and allied substances have not been substantiated. After-care is extremely important. Careful re-education of muscles involving the services of a trained physiotherapist is almost always required.

OSTEOARTHRITIS.—Osteoarthritis is a disease of the larger joints such as the knee and hip. The onset is gradual, and there is little evidence of a general disturbance. Bony changes in or about the affected joints develop slowly, but may be eventually severe. A connexion between trace amounts of fluorine in the water supply and the incidence of dental caries and other teeth disorders has been demonstrated. Prevention may be aided by attention to precipitating factors, e.g., faulty body mechanics resulting from injury or occupation, errors in diet, glandular abnormalities, and septic foci. Local treatment reduces pain, and heat therapy is useful. Occasionally complete rest of the joint in plaster is needed, or orthopædic appliances are required.

GOUT.—Gout is characterised by suddenness of the initial acute attacks, usually

located in only one joint (in nearly half the cases the metatarsal phalangeal or "bunion" joint of the great toe). Another feature is that recovery of joint function between the early attacks is practically complete. At a later stage deposits of sodium urate crystals known as *tophi* can be detected in various parts of the body, notably about the margins of the ears. There is reason to believe gout is connected with an underlying and probably inherited disorder of purine metabolism. More than 90 per cent. of gouty patients are men, usually over thirty years old. The main preventive measures are avoidance of dietary or alcoholic indiscretions and unusually severe exercise. It is believed that an excessive intake of fat in the diet is unwise, and that fermented alcoholic drinks are worse than distilled alcohols. Acute attacks usually respond promptly to colchicine. Salicylates and heat physiotherapy are often used as adjuvants. Sometimes cinchophen is used in place of salicylates.

Medical Relief for Europe

AFTER the war international relief will be impossible without governmental action. In November 1943 the forty-four United Nations signed an agreement in Washington setting up U.N.R.R.A.—the United Nations Relief and Rehabilitation Administration. A conference was held which adopted a number of resolutions and reports laying down principles of action. The chief problem to be faced in the medical relief of Europe is malnutrition, varying in degree from country to country and from person to person. More important than direct starvation are the secondary effects: undernourishment, avitaminoses, anæmias, dysenteries and skin diseases. Malnutrition plays a large part in tuberculosis, typhus fever and malaria. A great danger will arise from epidemics when the twenty-two million "displaced persons" begin to move back to their homes. With the aid of the new anti-typhus vaccine and especially of D.D.T., it is hoped to prevent typhus from causing the appalling number of deaths resulting from this disease after the last war. Typhus is spread solely by the louse, and seems to increase much more rapidly among lice-infested populations which are also undernourished. The advantage of the new anti-lice powders is that they are persistent and both kill the young lice as they hatch out and prevent reinfestation for three weeks or so. D.D.T. is being manufactured on a large scale, and there

should very soon be sufficient of this insecticide to supply all civilian needs, at least in areas in which typhus is threatened.

Malaria has also increased, though no large epidemics have been reported among the civil population. The Ministry of Health and the Army have taken measures to ensure that diagnosis is not missed, and that patients, when diagnosed, are either screened from mosquitos or cared for in hospitals in areas where *Anopheles* is not common. Diphtheria is a major problem in Central Europe; it now seems to be attacking adults as much as children. The enteric fevers should be a menace only in local areas where the water-supply and sewerage system has been destroyed by war. By now the people of Europe are fairly solidly immunised against smallpox. Perhaps the major long-term problems are tuberculosis and the venereal diseases. They will need an organised, costly and prolonged attack, along lines already known to be effective.

There is an overall lack in Europe of textiles for hospital equipment and bandages; a particular lack everywhere of soap and general shortage of certain drugs. Thus France, Belgium and Germany are short of ointments with fatty bases, iodine, quinine, bismuth salts, glandular extracts, alcohol, alkaloids generally, and particularly opium, and A, B, and D vitamins; glassware for laboratories, x-ray films and replacements of surgical instruments are also lacking. Before U.N.R.R.A. can operate, both the government concerned and the military authorities must request its assistance. At present the responsibility for civilian relief rests with the Civil Affairs Divisions of the Armies. U.N.R.R.A.'s ultimate success or failure will depend upon the governments of the United Nations.

Blood Transfusion Services Described.

In an illustrated 32-p. booklet published by H.M. Stationery Office, price sixpence, the Ministry of Information, on behalf of the Ministry of Health and Department of Health for Scotland, gives a graphic account of the Blood Transfusion Services organised for the Fighting Services. The chapter headings ("From Blood-giver to Battlefield"; "What is Blood?"; "Transfusion: A Life-saving Service"; "How Blood is Given"; etc.) speak eloquently of the field covered, while the illustrations are at once a commendation of the donors' services and an inspiration to others to follow their example.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, April 11

CONDITIONS in the London drug markets have temporarily reached a stage that is not far removed from complete inactivity. Very few inquiries are coming in and, as most of the goods arriving are allocated, little is left for ordinary trading purposes. Prices are generally firm, with practically no tendency to move in either direction. MAKERS OF PHARMACEUTICAL CHEMICALS report a steady business, with quoted prices unchanged. As noted last week, a substantial reduction has occurred in SANTONIN, full details of which are now given.

Crude Drugs

Practically the whole of the business in CRUDE DRUGS has come from home consumers, but only small quantities have been involved. Both CURAÇAO and CAPE ALOES seem to have disappeared from the market for the time being, although it may be possible to obtain very small supplies of the former variety. As noted last week, all grades of refined ARSENIC have been reduced. There are no changes to report in ALSAMS; CANADA remains firm, and TOLU and COPAIBA are still unobtainable. Exceedingly quiet conditions obtain for CARAMOMS, prices of which are without quotable change. The price of ZANZIBAR CLOVES, the only variety obtainable at present, is maintained. ERGOT is still scarce, but the price shows no tendency to advance. GUM CACIA is quiet, but steady. Spot supplies of JABORANDI are now practically exhausted. Imported SEEDS continue quiet, with previous quotations repeated. A fair demand has been experienced for TRAGACANTH, prices of which are unchanged. Supplies of TURMERIC are meagre, and the price is firm. Supplies of VALERIAN are still limited to powdered Indian root. ANDELILLA WAX, to arrive, has been reduced.

Essential Oils

As the market is practically bare of supplies of oils free from control, with little likelihood of replenishments for some time, it is difficult to find any material for comment. No changes have been notified during the week in essential oils imported under the Control scheme, or in fixed oils of which the prices are quoted officially.

Pharmaceutical Chemicals

BORAX.—Current rates per ton are as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards.

CAFFEINE.—Quantities of 7-lb.-28-lb. are quoted per lb. as follows (supplies subject to D.M.S. approval): ALKALOID, B.P., 34s.; CITRATE, 23s.; SODIUM BENZOATE, 23s.

DIAMORPHINE.—Current rates per oz., for small quantities, are as follows: BASE— $\frac{1}{2}$ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.— $\frac{1}{2}$ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14-lb., 3s. 4d.; 28-lb., 3s. 2d.; granular, one penny per lb. extra.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

PILOCARPINE.—Makers quote at the following rates per oz.: BASE, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SANTONIN.—Prices have been reduced by £20 per kilo. New rates are as follows:—

| | Per kilo | Per lb. | Per oz. |
|----------------------|----------|---------|---------|
| | £ | s. d. | s. d. |
| 25 kilos | 42 | 381 0 | 23 10 |
| 10 kilos | 43 | 390 3 | 24 5 |
| 5 kilos | 44 | 399 3 | 24 11 |
| 2-4 kilos | 45 | 408 3 | 25 6 |
| 1 kilo | 46 | 417 3 | 26 1 |
| 500 gm. | 47 | 426 6 | 26 8 |
| 250 gm. | 48 | 435 6 | 27 3 |
| 100 gm. | 49 | 444 6 | 27 9 |
| Smaller quantities.. | 50 | 453 6 | 28 4 |

Net cash, 14 days. Containers of more than 500 gm. or 16 oz. and all outer packages free.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use in antiseptics of the chloroxylenol type.

THEOBROMINE.—The following prices are ruling: ALKALOID.—Smalls, 44s. 6d. per lb.; 7 lb.-28 lb., 43s. SODIUM SALICYLATE.—Smalls, 26s. 3d.; 7 lb.-28 lb., 25s. 3d. Tins extra when supplied.

VANILLIN.—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

Crude Drugs

ALOE.—Spot supplies are not available at present.

ANTIMONY.—English minimum 99 per cent. regulus is steady at £112 10s. per ton, delivered; crude, 70 per cent., for home trade, £90.

ARECA NUTS.—Dealers continue to quote wormy Ceylon at 90s. per cwt.

ARSENIC.—As noted last week, all grades of refined have been reduced by £10 per ton.

BALSAMS.—*Canada*, steady at 11s. 6d. per lb.; *Peru*, 7s. 9d. to 8s., duty paid; *Tolu* and *Copaiba*, unobtainable.

BELLADONNA.—Indian leaf is quoted on spot at 6s. to 6s. 3d. per lb., according to test. Low-testing root (0.25 per cent.) is quoted at 2s. 3d. per lb.

BENZOIN.—There is still a good demand, but spot stocks are exhausted.

BISMUTH.—Demand continues for metal at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—New crop is quoted at 5s. 3d. per lb., landed.

CARDAMOMS.—Current spot prices are as follows: Aleppy greens, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, in tins in cases, 1s. 9d. per lb.

CHILLIES.—Spot quotations for Mombasa are steady at 110s. per cwt., but no other varieties are available.

CLOVES.—Sellers of Zanzibar on spot at 1s. 5½d. per lb.

COCHINEAL.—Silvers, afloat, 6s. per lb., landed.

COCOA BUTTER.—Price is fixed at 1s. 5½d. per lb., ex factory or warehouse, except for sales made under Ministry of Food licence.

COLOCYNTH.—Fair white pulp may be obtained on spot at 2s. 10½d. per lb.

DIGITALIS LEAVES.—Portuguese is unchanged at 140s. per cwt., and English at 2s. 6d. per lb.

ERGOT.—Continues in very poor supply, but the price of good-quality material is unchanged at 6s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, spot, 75s. per cwt.; bleached, spot, 175s.; Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian, 250s. per cwt.; some low-testing material may be had at 60s. per cwt.; Russian, 350s.; Egyptian (*muticus*), 75s.

JABORANDI.—Spot supplies are practically exhausted; price nominal at 65s. per cwt.

JALAP.—Some 12.7 per cent. is available at 5s. per lb.

KAMALA.—Between 2s. 6d. and 2s. 9d. per lb. would be the spot price of material testing 6 per cent. ash.

NUX VOMICA.—Cochin, spot, steady at 37s. 6d. per cwt.; shipment, 31s. 6d., c.i.f.

PEPPER.—Maximum prices of whole pepper not picked over or cleaned, on sale to processors 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Spot sellers' prices remain at 1s. 3½d. per lb.

QUASSIA.—Spot, 37s. 6d. to 40s. per cwt. according to quantity.

QUILLAIA BARK.—Crushed or cut, spot, 100s. per cwt.; natural, 80s.; shipment, 65s., c.i.f.

RHUBARB.—There are no supplies of rough round at present.

SEEDS.—Extremely quiet conditions prevail with prices of all varieties unchanged.

SANDAL.—Practically no supplies available price nominal at 65s. per cwt.

CUMIN.—Maltese spot, 110s., buyers; Indian, 110s., buyers.

DILL.—London, 85s.; Liverpool, 80s.

FENNEL.—Higher at 100s., business done and sellers.

FENUGREEK.—London, 75s.; Liverpool, 67s.

MUSTARD.—Controlled prices are unchanged.

SENNA.—Alexandrian medium pods are at 4s. per lb.; Tinnevely, manufacturing grade 6d. to 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—Indian bulb, dried and sliced, is quoted at 40s. to 45s. per cwt., according to quantity. Portuguese, 80s. to 87s. 6d.

STRAMONIUM LEAVES.—Indian leaves continue to be quoted by dealers on spot at 80s. per cwt.

STROPHANTHUS SEED.—100 per cent. Kombe seed, unchanged at 7s. to 7s. 6d. per lb., as to quantity.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

VALERIAN ROOT.—Powdered Indian root is the only material available; price, 120s. per cwt.

WAXES.—**BEES'.**—Available in London at the following prices per cwt., delivered at store, U.K., effective October 16, 1944, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion.

CARNAUBA.—Fatty grey, 535s. per cwt., ex store, in minimum one-bag lots; shipment, nominal; Primeira, 580s. per cwt., ex store; shipment, 460s., nominal, c.i.f.; medium yellow, 575s.; shipment, 445s., nominal, c.i.f.; chalky grey, 530s., nominal; shipment, 400s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.).

CANDELILLA.—To arrive. Under 1 ton, 215s. per cwt.; 1–5 tons, 215s. 6d.; 5 tons and over, 212s. 6d., ex store.

OURICURI.—Spot, 305s. to 330s. per cwt.; shipment, 260s., c.i.f.

Essential and Expressed Oils

CASTOR.—"Firsts" are officially quoted at £2 per ton, and "seconds" at £80, both naked ex works, in bulk lots.

CITRONELLA.—Ceylon, spot, about 21s. per c.; Java, approximately 27s. 6d.

CLOVE.—English distillers' prices are steady from 12s. 6d. to 13s. per lb., according to quantity.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined odourised, £58 per ton; all varieties quoted naked ex works.

EUCALYPTUS.—Any available supplies of 70 to 75 per cent. would be worth approximately 5s. 6d. per lb.

GINGERGRASS.—Small quantities would be worth approximately 22s. 6d. per lb.

NUTMEG.—English distillers' prices are unchanged at 45s. per lb.

OLIVE (EDIBLE).—The price charged to the wholesaler by the importer is 25s. 9d. per gallon, ex store. Prices charged by wholesalers to retailers are agreed by the Ministry of Food as follows: 33s. 6d. per gallon, in 1-gallon loan cans; 34s. 3d. per gallon, in $\frac{1}{2}$ -gallon loan cans; 35s. per gallon, in 1-quart loan cans; 36s. per gallon, in 1-pint loan cans.

RAPESEED.—Officially quoted at £88 per ton, naked ex works.

Essential Oils Control

The following is a schedule of prices to users of original packages for oils imported by the Ministry of Food:—

| | |
|--|--|
| Basil | 25s. 8d., plus duty, 2s. 3d. |
| Bergamot | 23s. 10 $\frac{1}{2}$ d. |
| Camphor | 2s. |
| Caraway | 20s. 9 $\frac{1}{2}$ d., plus duty, 1s. 10d. |
| Cedarwood | 3s. 8 $\frac{1}{2}$ d., plus duty, 3 $\frac{1}{2}$ d. |
| Clary sage | 129s. 1 $\frac{1}{2}$ d., plus duty, 11s. 6d. |
| Coriander | 128s. 10d., plus duty, 11s. 6d. |
| Fennel | 11s. 6d., plus duty, 1s. |
| Lemon, cold-pressed, or Sicilian | 17s. 4 $\frac{1}{2}$ d. |
| Lemon, distilled .. | 11s. 9d. |
| Lime | 47s. |
| Nutmeg | 22s. 8d., plus duty, 2s. |
| Orange, bitter | 18s. 6 $\frac{1}{2}$ d., plus duty, 1s. 7 $\frac{1}{2}$ d. |
| Orange, West African .. | 10s. 3d., plus duty, 10 $\frac{1}{2}$ d. |
| Peppermint | 37s. |
| Tangerine | 33s. |
| Tetivert | 38s. 4d., plus duty, 3s. 5d. |
| Wormseed | 15s. 3 $\frac{1}{2}$ d. |
| Ylang-ylang | 15s. 6 $\frac{1}{2}$ d., plus duty, 1s. 4d. |

MISCELLANEOUS INQUIRIES

Unperfumed Calamine Lotion.—*H. L.*—Unperfumed calamine lotion, other than calamine lotion, N.W.F., is subject to control under the current Toilet Preparations Order (S. R. & O., 1943, No. 1213, as amended by S. R. & O., 1943, No. 1683).

Ringworm of Toenails.—*M. C.*—To prevent reinfection a powder prepared according to the formula below is dusted on the toes:—

| | |
|---|--------|
| Phenyl salicylate | 1 |
| Chloral hydrate | 1 |
| Sterilised purified siliceous earth | to 100 |

Dilutions of Dangerous Drugs.—*D. M. I.*—The Stirling prosecutions (*C. & D.*, 1944. II. 602) were based upon the fact that Ex. S.1 dilutions of morphine and cocaine are still Dangerous Drugs when the diluent is "an inert substance, whether liquid or solid" (such as water or lactose). *Per contra*, a vehicle ordinarily used in medicine (such as aq. chlorof. or glyco-gelatin pastille base) is not regarded as an inert substance. The following examples illustrate the distinctions:—

- (i) Morph. hydrochlor. gr. ii
Aqua ad $\frac{3}{4}$ iv
(D.D.) (1) although Ex. S. 1.
- (ii) Morph. hydrochlor. gr. ii
Aqua chlorof. (or aqua menth. pip.) ad $\frac{3}{4}$ iv
(Ex. D.D.) (Ex. S.1.)
- (iii) Morph. hydrochlor. gr. ii
Mist. bismuth. ad $\frac{3}{4}$ iv
(Ex. D.D.) (Ex. S.1.)
- (iv) Pastillæ cocaineæ hydrochloridi, B.P.C. (Ex. D.D.) (Ex. S.1.)

The Ex. S.1 preparation is also Ex. D.D. when the drug is already admixed with other medicinal substances, as in liq. morph. hydrochlor., tinct. opii and ext. cocæ liq., e.g.—

- (v) Liq. morph. hydrochlor. $\frac{3}{4}$ ii
Aqua ad $\frac{3}{4}$ viii
(Ex. D.D.) (Ex. S.1.)
- (vi) Tinct. opii 1 part
Aqua destil. 7 parts
(Ex. D.D.) (Ex. S.1.)
- (vii) Mist. kaolin. et morph., N.W.F. (Contains tinct. chlorof. et morph., B.P.C.) (Ex. D.D.) (Ex. S.1.)
- (viii) Elix. cocæ, B.P.C. (Ex. D.D.) (Ex. S.1.)

In general, a safe rule is to regard as D.D. any Ex. S.1 dilution of morphine or cocaine in which the drug may be readily extracted or easily concentrated in an unchanged condition.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Oldest Commercial Traveller

SIR,—I am attempting to trace the oldest living commercial traveller in Britain, and wonder if you can assist me? This year the Royal Commercial Travellers' Schools celebrates its centenary, and we would like the oldest traveller, if possible, to take part in the celebrations. I feel sure that he would prove an interesting character with a fund of reminiscences.—Yours faithfully,

Hatch End, A. H. CARPENTER,
Middlesex. *Secretary.*
Royal Commercial Travellers'
Schools.

Post-war Taxation

SIR,—A letter by S. E. A. demanding the abolition of the purchase tax, especially on medicinal preparations (*C. & D.*, March 3, p. 234), is sane and sensible. He rightly says that to put such a tax on medicines and surgical appliances is sheer lunacy. I go further, and affirm that the Chancellor of the Exchequer could safely halve the income tax by reducing it to five shillings in the £1—for two reasons. First, when war in Europe ends, or is about to end, Sir John Anderson will have the pleasant task of budgeting for £2,000 or £3,000 million less next year than last year. Millions of men and women now in the Services will need to be demobilised at once—certainly every man who has a job to go to should be discharged within a month or two, so that Britain may have more houses, more food, more coal, more and better transport. The second reason is that the Government will possess, when war ends, £1,000 or £2,000 million worth of goods, land, property, ships, motor vehicles, aeroplanes, food, clothes, etc. If goods that are saleable are sold off gradually, at reasonable prices, they should realise £500 million a year for a couple of years. Thus the Chancellor would get back what he would lose by halving the income tax (£500 million a year).—Yours faithfully,

Z. Y. X.

French Essential Oils Association

SIR,—The formation of an association is contemplated by the direct representatives in this country of the Grasse producers of essential oils and aromatic raw materials as a section of the French Chamber of

Commerce in Great Britain, 3 Cavendish Square, W.1. The British companies who have formed the Association are:—

| | |
|------------------------|-------------------------|
| Antoine Chiris, Ltd. | Ets. Antoine Chiris. |
| A. W. Munns & Co. | Ets. Roure-Bertrand |
| | Fils and Justin Dupont. |
| Lautier Fils | Lautier Fils. |
| Stanley Nicholas & Co. | Camili & Laloue. |
| Alfred P. White | Schmoller & Bompard |
| | S.A. |
| Natural & Synthetic | Tombrel Frères. |
| Perfumery Essence | |
| Co. | |
| P. Samuelson & Co. | Bertrand Frères. |
| C. W. Field, Ltd., | Payan & Bertrand. |
| Liverpool | |
| W. J. Bush & Co., Ltd. | Henri Moutet. |
| Courtin & Warner, Ltd. | Mero & Boyreau. |
| Wilson & Mansfield, | P. Robertet & Cie, S.A. |
| Ltd. | |
| W. H. Hobbs & Co., | C.A.A.P. |
| Ltd. | |
| Flora Aromatics Co., | Bruno Court, S.A. |
| Ltd. | |
| Fredk. Boehm, Ltd. | Scozio Andrioli. |
| C. A. Charpentier | Charabot. |

The purpose of the association is to co-operate with existing user bodies of aromatic raw materials, as well as with the Ministry of Food, and it is anticipated that the association will also act as representative in this country of the recently formed Producers' Syndicate in Grasse. Mr. F. E. Shoninger (managing director Antoine Chiris, Ltd.) has been elected *Chairman*, and Mr. A. W. Munns (A. W. Munns & Co.) is the *Secretary*. An *Executive Committee*, consisting of Messrs. Shoninger, Munns, Evans (Wilson & Mansfield Ltd.) and Walker (P. Samuelson & Co.) has been elected.—Yours faithfully,

London, W.1. J. LEROUX, *Secretary*
Chambre de Commerce Française de
Grande Bretagne.

Appreciations

We have to thank you for information kindly given us.—F. B.

We greatly appreciate your kindness and help given in your two letters regarding our query.—M. E. H.

On behalf of my colleagues, I can assure you that we, as an organisation of ex-Servicemen, really appreciate what you have done for us, and shall without hesitation mention your good work.—L. S (South Africa).

MERSALYL B.D.H.

PRICES

| PRICES | | | | | | | Wholesale per doz. | Plus Purchase Tax per doz. |
|-------------------------------|-----------------------------------|-------------|----------|----|----|------|-----------------------|-------------------------------|
| For parenteral administration | Box of | 6 x 1 c.c. | ampoules | .. | .. | 3/11 | 28/- | 4/8 |
| | " " | 12 x 1 c.c. | " | .. | .. | 7/3 | 52/- | 8/8 |
| | " " | 6 x 2 c.c. | " | .. | .. | 6/1 | 44/- | 7/4 |
| | " " | 12 x 2 c.c. | " | .. | .. | 11/8 | 84/- | 14/- |
| For rectal administration | Suppositories containing 0.4 grm. | Box of | 6 | | | 8/1 | 58/- | 9/8 |
| For oral administration | Tablets containing 0.08 grm. | Bottle of | 20 | | | 4/2 | 30/- | 5/- |

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RAW MATERIALS*for the Cosmetic Trade*

● PERFUME COMPOUNDS ● STEARIC ACID
 ● LANOLIN ● BEESWAX ● GLYCERINE
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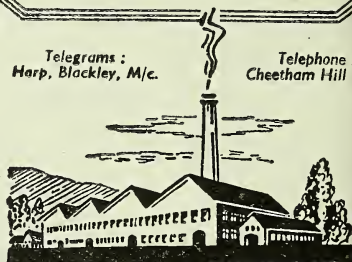
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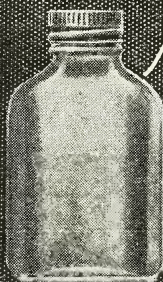
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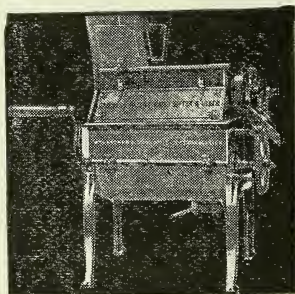
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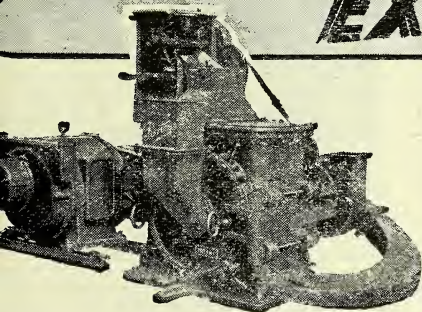
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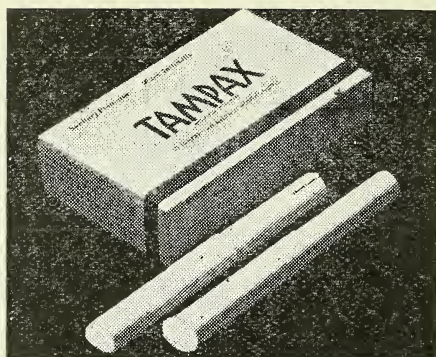
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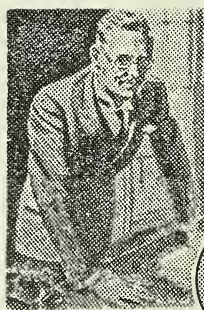
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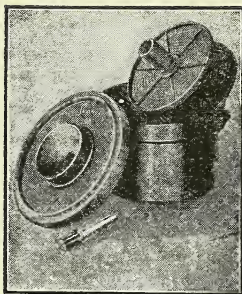
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APRIL 14
1945

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QUALIFIED Chemist required immediately to take full charge of modern Business, S.W. coast. Good prospects for keen, energetic man. Apply, stating when available, salary required, references and experience. 604/695, C. & D. London Office.

QUALIFIED Assistant required for pharmacy in market town near Oxford; capable of taking charge occasionally; small house available. Apply, stating age, experience, references, and salary required, W. Smith & Co., Ltd., High Street, Abingdon, Berks.

QUALIFIED Branch Manager or Manageress. Permanency. Easily-run Pharmacy. Another Assistant kept. Apply Bennett, 60 Thornhill Road, Streetly, Sutton Coldfield.

QUALIFIED Assistant required; either sex; must be exempt National Service. Reply, with full particulars, to F. D. Masterson, Sherburn-in-Elmet, Yorks.

QUALIFIED Assistant required for good-class trade in W.C.1 district. Good salary offered. Apply with full particulars re experience and age, etc. 603/679, C. & D. London Office.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD., invite applications from Qualified Pharmacists for the position of Manager; Unqualified Assistants also required; good post-war prospects and holidays with pay. Apply, in writing stating age, experience, salary required, and position under the National Service Act or Registration for Employment Order, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

UNQUALIFIED Assistant required for busy Retail Pharmacy; scope for experience and ability; permanency. Reply, giving full particulars, to W. Bates & Co., Ltd., Chemist, 25 Oxford Street, Southampton.

UNQUALIFIED Assistant wanted for West End Pharmacy. Apply with full particulars re age and experience in first letter. Good salary and permanency for suitable man. X.Y.Z., 603/678, C. & D. London Office.

WANTED, Experienced Dispenser. Please apply, Dr. L. R. King, Stow-on-the-Wold. Tel.: 25.

WANTED, Qualified Dispenser N.H.I. for Midland city. Apply in confidence to 603/669, C. & D. London Office.

LOCUMS WANTED

COUNTY Borough of Warrington, Warrington General Hospital. Dispenser required as Locum first three weeks July. Applications to the Medical Superintendent.

LOCUM Pharmacist required at once at Southend Municipal Hospital, Rochford, Essex. £7 7s. per week plus cost-of-living bonus. Apply immediately to Medical Superintendent. Tel. No.: Rochford 56278.

QUALIFIED Locum required for holidays. Engagement offered any period up to three months. Full staff, no Sunday duty. Reply giving full particulars when available to: W. Bates & Co., Ltd., 25 Oxford Street, Southampton.

QUALIFIED Locum required for 8 to 10 weeks June and July. Private and N.H.I. Dispensing Business. Four branches. Good wages and expenses paid. Apply S. A. Sheard, 9 Leeds Road, Harrogate.

WHOLESALE

ANALYTICAL Chemist required by London Manufacturing Chemists, working under Essential Works Order. Practical works experience of general routine analysis and alkaloidal assays of drugs, including opium, essential. Reply, giving particulars of experience, salary, etc., to 578/706, C. & D. London Office.

ASSOCIATED WHOLESALE DISTRIBUTORS have Vacancies for additional Travellers to call upon Chemists, Grocers, Hardware and Allied Traders (A) in London and surrounding areas (B) throughout Great Britain. Positions are permanent with exceptional prospects. 121-2, Gouldston Street, London, E.1. Bishopsgate 1880.

AN experienced Representative required for Lancashire and Cheshire by an old-established Toilet Soap and Perfumery House with a large Chemist connexion. Applicants must be resident on the ground, and have a thorough knowledge of the trade and territory. Please give age and full particulars of experience, detailing selling record covering the past 10 years. Excellent post-war prospects for the right man. CDB/383, C. & D. London Office.

COMPETENT Salesman for Photographic trade. Great opportunities for advancement; permanency position. Chemist trained preferred. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

EXPERIENCED Representative required for Birmingham and District, by high-class ethical Manufacturing Chemists, to call on Hospitals, Doctors, and Chemists; must reside in territory. Write, stating age, experience, qualifications, and liability to military service to "O. C." c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4

EXPERIENCED Representative required for Scotland, by high-class ethical Manufacturing Chemists, to call on Hospitals, Doctors and Chemists. Must reside in territory. Write, stating age, experience, qualifications, and liability to military service to "N. B.," c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4.

GEORGE BELL'S Pet Remedies. Bell & Sons, Ltd., Silverdale Works, Liverpool, 13, have a few vacancies for Representatives to call on Chemists, Corn Merchants, Pet Stores, etc. Applications will only be considered from those of high integrity and proved selling ability. Apply Sales Director as above.

LIVE Representatives wanted by old-established Firm of Insecticide Manufacturers. Only those with connexion among Chemists, Ironmongers, Furnishers, Stores, Co-ops, Seedsmen, and capable of earning a minimum of £10 per week, whole or part-time, need apply. Write, giving full particulars of territory covered, goods handled, etc., to 603/690, C. & D. London Office.

MANUFACTURERS of superior Dry Cleaning Fluid retailed at 1s. and 2s. require well-known Wholesale Distributors; excellent opportunity. D., Ltd., 16 Stucley Place, London, N.W.1.

PILL MAKER required for Manufacturing House, N.W. London. Permanent and progressive opportunity, should be over military age, or exempt war service. State experience and wages required. 594/359, C. & D. London Office.

REQUIRED, experienced full-time Representatives, London, Home Counties and Provinces, by Distributing Company, offering good range of Chemists' lines, some nationally advertised. Must have Chemists' connexions. Remuneration by salary, commission and expenses. Send full particulars past experience, stating territories worked. 604/696, C. & D. London Office.

REPRESENTATIVES wanted to sell various grades of Pure Food Edible Gelatines, etc., in London and certain Counties. Generous commission. House for Gelatines, Morgan Korda & Co., Ltd., 9 Great Pulteney Street, W.1.

SUPERVISOR, Female, required for the Packing Department of a firm of Manufacturing Chemists, nr. Chester. Only those with experience of such Packing and handling of Juvenile Labour need apply, with full particulars and wages required, to 604/691, C. & D. London Office.

VACANCIES open for certain territories for distribution of Outdoor Girl and Miner's preparations; only first-class representatives considered with contacts already established. Write full details of age, experience, territory worked, etc., to Crystal Products Co., Ltd., 7 Stanhope Terrace, London, W.2.

WANTED, Full-time Representative having good connexion London Stores and Co-ops to push saleable lines. Apply 603/667, C. & D. London Office.

WALLACE HEATON, LTD., require photographic Salesman, preferably chemist-trained; permanency and first-class prospects for suitable applicants who are interested in the photographic trade. 127 New Bond Street, London, W.1.

WORKING Forewoman required by old-established manufacturers, Wembley district, full time; to assist departmental superintendents and to charge small number girls in order-assembly and packing department; modern factory; essential work; good conditions; opportunity permanent position. Particulars experience, age, and wages required, to 602/635, C. & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

SMART, active man, with long all-round experience in Company and Private Retail; at present Managing Manufacture and Production Pharmaceuticals, Toilet, Cosmetics; staff and stock control, etc.; desires position with post-war opportunities where his experience plus tact and versatility is asset. Over military age. Unregistered but some laboratory experience. Highest refs. 603/680, "J.F.," C. & D. London Office.

WHOLESALE

A FIRST-CLASS Representative, 45, excellent connexion of over 10 years' standing, leading chemists, etc., South-West England and South Wales, is desirous of additional Representation. CDB/376, C. & D. London Office.

ADVERTISER, age 40, desires post-war Representation to House of repute, Drugs preferable; south coast area. Knowledge of Manufacturing; also 10 years' own business. 603/676, C. & D. London Office.

BUYER all supplies Manufacturing Pharmaceutical House desires change, London. Excellent contacts, experience and references. 603/673, C. & D. London Office.

EXECUTIVE requires Post; qualified; exceptional experience in marketing, market research, sales and advertising as Salesman and Sales and Advertising Manager. Has experience in manufacturing, production, technical research and works management. Also office and general organisation. Has General Management experience with very big selling proprietaries. Free now. 603/672, C. & D. London Office.

EXPERIENCED Traveller, with excellent connexion with Chemists, Co-ops, multiples and wholesalers in Sussex, seeks congenial representation. Manufacturers only. 604/692, C. & D. London Office.

LADY Representative with extensive connexion throughout the Midlands, would like additional Chemists' lines to Sell on a commission basis. Apply, D. B., c/o 5 Binswood Avenue, Leamington Spa, Warwickshire.

M.P.S. YOUNG, ex-Service, desires suitable Business opportunity, indoors or outdoors. Previous manufacturing experience in tablets, galenicals, etc., and used to staff control. North preferred. 604/691, C. & D. London Office.

SMART, active Man, with long all-round experience in Company and Private Retail; at present managing Manufacture and Production Pharmaceuticals, Toilet, Cosmetics; staff and stock control, etc.; desires position with post-war opportunities where this experience plus tact and versatility is asset. Over military age. Unregistered but some laboratory experience. Highest refs. 603/680, "J.F.," C. & D. London Office.

UNQUALIFIED, 31, married, 14 years' varied experience of retail, seeks permanent, progressive, responsible post in Wholesale anywhere North of England. Would consider managership of drug store or any position where initiative is remunerative. Accommodation desirable. Exempt. 603/689, C. & D. London Office.

UNQUALIFIED, 31, single, desires outdoor Sales post, with Wholesale Drug or Sundries' House; 14 years retail, London and provinces; car driver. At present Auditing private chemists' stocks in London and Southern Counties. 603/674, C. & D. London Office.

WOMAN Dispenser, Apothecaries' Hall, desires Post, not retail, London or S.W. suburbs. Good experience. 603/675, C. & D. London Office.

WHOLESALE (COLONIAL)

SOUTH AFRICA. British Pharmacist, ex-officer, F.N.A.O., M.P.S., requires Wholesale Representative or executive post. Excellent experience all branches. Capital and references available if required. 603/686, C. & D. London Office.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

A NORTH London Company specialising in Ampouling, invite inquiries. Bottle- and Tube-filling can also be undertaken. 603/687, C. & D. London Office.

ADVERTISERS who have secured premises for post-war occupation with surplus manufacturing and administrative accommodation in country surroundings are interested in acquiring a small established Business capable of development. Scientific or Surgical Instruments and Furniture, Optical, Photographic, Cosmetic, Retail Domestic or Luxury Commodity or any other proposition will be confidentially considered. 603/684, C. & D. London Office.

LARGE Firm of Wholesalers, Distributors and Buying Agents, with thousands of active accounts on their books covering the whole of the United Kingdom, wish to contact manufacturers for present and post-war lines suitable for Chemists, Hairdressers and Departmental Stores; finance arranged. Box 602/649, C. & D. London Office.

LARGE company of Distributors and Manufacturers with 30,000 accounts in the Chemist and Grocery Trades will consider sole distribution, including invoicing and collecting of accounts, for additional lines possessing possibilities of large turnover. Prepared to finance advertising if necessary. 595/393, C. & D. London Office.

PROPRIETARY PRODUCTS. An important firm of Manufacturing Chemists with a world-wide sales organisation would like to contact firms or individuals who may possess established lines, or new ideas for lines, suitable for packing into small units for sale through the Retail Chemist or Grocery trade, with a view to post-war expansion. Replies to this advertisement should give full particulars, which will be treated with the strictest confidence. Address 601/608, C. & D. London Office.

WANTED. Tableting Manufacturer firm for granulating and manufacturing Tablets. 603/671, C. & D. London Office.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

ADVERTISERS operating in Palestine and Trans-Jordan desire Agencies of British Manufacturers wishing to develop export trade in Chemicals and Pharmaceuticals. Own Drug Stores. Please apply 591/256, C. & D. London Office.

AGENCY wanted. Important firm of Importers in Egypt desires Sole Agency for Manufacturers of Pharmaceuticals. Write 603/683, C. & D. London Office.

REPUTABLE and established Firm of Wholesale Distributors with large sales force covering the whole of the British Isles, wish to contact Manufacturers of lines suitable for Chemists, Departmental Stores and Hairdressers. Replies, 603/688, C. & D. London Office.

SCOTLAND. Agents wanted for widely-advertised Proprietary line. Unrestricted supplies. To cover whole of Scotland. Communicate with 603/677, C. & D. London Office.

WHOLESALE Agent in Bombay (India) is willing to act as an Agent for a few more firms dealing in drugs, chemicals, cosmetics and sundries; best bank references. Write, 602/636, C. & D. London Office.

APPOINTMENTS

KING EDWARD VII HOSPITAL

WINDSOR

Applications are invited for the post of Assistant PHARMACIST. Commencing salary £260 p.a. with £25 p.a. War Bonus, F.S.S.N.H.O. in force. Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, to be sent to the Secretary.

SURREY COUNTY COUNCIL

NETHERNE HOSPITAL

(For Nervous and Mental Illnesses)

There is a vacancy for a PHARMACIST at the above hospital. Candidates must hold one of the registerable qualifications of the Pharmaceutical Society. The salary is at the rate of £325 × 12½—£375 per annum plus cost-of-living bonus, at present £49 8s. for non-resident males. The post is one of interest, in which the successful applicant will have the opportunity of being in touch with the original work and methods of treatment taking place in the hospital.

Details as to permanency, superannuation, etc., can be obtained on inquiry.

Applications stating age, qualification and details of previous experience, together with copies of recent testimonials to be sent as soon as possible to the Medical Superintendent, Netherne Hospital, Coudsdon, Surrey.

BRADFORD GENERAL MUNICIPAL HOSPITAL

(ST. LUKE'S)

Applications are invited from women pharmacists with hospital experience for the post of Junior Assistant PHARMACIST. Salary £260 plus war bonus; present rate £40 6s. per annum. Preference would be given to candidates with B. Pharm. Degree or Ph.C. Diploma. Applications with copies of testimonials to be sent to the Medical Superintendent, St. Luke's Hospital, Bradford.

QUALIFIED LOCUM required for two weeks in the summer; dates to be arranged. Salary six guineas per week. Apply Dispenser, Durham County Hospital, Durham.

EXPORT TRADE

MESSRS. DINKER & CO., 88 Vithalbhai Pate Road, Bombay, 4, invite connexions from competitive manufacturers and reliable exporters handling Chemicals and Drugs. Bankers: Eastern Bank, Ltd., Bombay; National Bank of India, Ltd., Bombay. Reference: M/S. Biddle Sawyer & Co., Ltd., Empire House, London.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

HILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Owners contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less

FOR Disposal, 14 doz. original Bottles of 1,000 A.P.C. Tablets by good makers. 21s. per 1,000, including Tax, 5,000 post free. H. Lever & Co. (Leeds), Ltd., 51d New Briggate, Leeds, 1.

FOR Immediate Disposal. Owing to the closing down of a Chemist's Shop a quantity of Drugs, Bottles, etc., from the dispensing department are available for Sale. All items can be seen on the shelves in South-west London area by appointment. Apply in writing only to Egerton-Green, 19 Wandale Road, London, S.W.17.

FOR Sale, 100,000 Machine-made 3 c.c. Flat-bottom Constricted Neck, white soda-glass Ampoules. 603/685, C. & D. London Office.

NAME Plates and Signs for Chemists neatly engraved. Send wording for full-size sketch and list. (Enclose 3d. stamps.) G. Male & Son, Ltd., Engravers, 367 Euston Road, London, N.W.1.

8-OZ. slip lid tins (105 gross); 2-oz. do. (100 gross). Barrie, 13 Artillery Lane, London, E.1.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ACETPHENETIDIN and Acetylsalicylic Acid. required in large or small quantities; highest market prices paid. 602/654, C. & D. London Office.

ACETYL-SALICYLIC Acid (Aspirin), also Phenacetin and Caffein. Any quantity required. Actual users. Offers to 603/682, C. & D. London Office.

ACTUAL user would like to purchase Triethanolamine and Cetyl Alcohol. Best prices paid. 601/599, C. & D. London Office.

ACTUAL Purchaser will pay top price for Aspirin or Phenacetin Powder or Granules. 598/487, C. & D. London Office.

ANY quantity: Cascarilla, Patchouli, Sandalwood, Petit grain required by manufacturers. Quotations to CDB/379, C. & D. London Office.

ANY quantity, large or small, Rhodinol, Geranium Oil, Vetivert Oil, Vetiverty Acetate, Anisaldehyde Diphenyloxide, Coumarin, Acetophenone, and Musk Art. CDB/380, C. & D. London Office.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.19.

SMALL quantities Phenyl Ethyl Alcohol, Civet, Musk Ketone, Picot, Ltd., 14 High Park Road, Kew, Richmond, London.

SWEETENING Tablets (M.O.F.). Will buy in large wholesale quantities. Apply, 602/632, C. & D. London Office.

TABLETTING machine wanted. 603/681, C. & D. London Office.

URGENTLY required for manufacturing purposes: Spike Lavender, Bois de Rose, Linalol, Linalyl Acetate, Bergamot Oil. Please quote CDB/378, C. & D. London Office.

WANTED to purchase, Cameras, Enlargers, and all photographic Apparatus, Exposure Meters, Tripods, etc., Microscopes, Binoculars, Cine Cameras and Projectors. Prompt cash and high prices offered. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

25 YEARS' established sound Business of Surgical Belt-maker and allied lines, with good Sundries trade ready for post-war, complete with machines, fixtures, fittings and factory; freehold. Fair stock of materials. Price about £10,000. Near Nottingham. Apply Walter Clayton, Incorporated Accountant, Milton Street, Nottingham.

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